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SHADE FRUIT and Ornamental TREES

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ROSES PLANTS and BULBS

Climbing White Cochet

for the FALL of 1914 and SPRING 1915

PORTLAND Diamond SEED Quality COMPANY

Bulb Planting Tables

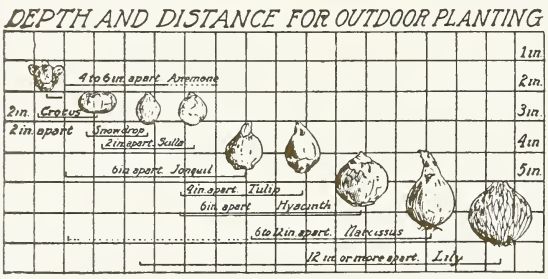
Number of Bulbs Required for Planting Different Sized Beds of Tulips or Hyacinths.

Everyone can afford a bed of flowering bulbs. They bloom so early, make such handsome and showy displays, and require so little care that their general use is increasing each year. The best effect in bulb beds is obtained by planting to solid colors, but if variety is wanted we would not advise you to select over two or three colors. Too many colors spoil the whole effect. A very satisfactory way is to plant a solid center with one or two of the outer rows of another color; a pleasing effect is obtained by dividing the bed into four sections, planting each in a separate color. As the circular bed is the most popular and satisfactory, we use it as a basis to figure on. If you want a square or oblong bed the cultural directions of the different bulbs will give you the distance bulbs should be planted apart.

In ordering bulbs for the mixed beds and for the number contained in the two outer rows of different sized beds, refer to table below.

	Total No. of Bulbs Required		No. of Bulbs Required for Two Outer Circles Only.	
Diameter of Bed	Tulips	Hyacinths	Tulips	Hyacinths
3 feet	64	36	50	31
4 feet	113	50	68	45
5 feet	177	80	87	57
6 feet	254	120	104	69
7 feet	346	160	122	82
8 feet	452	210	140	95
9 feet	573	270	160	110
10 feet	707	330	180	120

NOTE—Plant the Tulips four inches apart in the rows and the rows four inches apart. Hyacinths six inches apart and the rows six inches apart. Narcissi same as Hyacinths. For Crocus, Snowdrops, etc., double the number of Tulips. See chart below.



HYACINTH GLASSES

These are for Growing

HYACINTHS AND NARCISSUS

In water, see page 2

High or Low, Each, 20c; doz. $2.00

The sooner Hyacinths and Daffodils are planted the better they will grow and force.

Suggestions for Tulip Beds

No. 1—Circular Bed of Vermillion Brilliant with edging of two rows of Chrysolora, yellow.....

No. 2—Round Bed in four sections, first quarter **Cottage Maid**, pink; second, **Chrysolora**, yellow; third, **Artus**, scarlet fourth, **La Reine**, white. This arrangement is effective with two colors, red and white being best.

No. 3—A Circular Bed of pleasing variety is made with **Kaiserskroon** scarlet edged gold, in center, **Belle Alliance** scarlet, next, then **La Reine** white, and on outside rows **Chrysolora** yellow.

No. 4—Bed in Three Sections or three rows of color; **Crimson King**, scarlet; **Rose Grisdelin**, pink; **L'Immaculee**, white.

No. 5—Bed in Three Sections or Rows; Joost van Vondel, cherry red with white stripe; **Rose Grisdelin**, pink; **Yellow Prince**, bright yellow.

No. 6—Double Tulips—Rubra Maxima, scarlet and **La Candeur**, white, give a fine showing, holding their form and lasting well.

No. 7—Single May Flowering—White Swan, Gesneriana Spathulata, rich crimson, and **Bouton d'Or**, pure deep yellow, can be used in pleasing combination. They are tall growers (18 inches) and the best of their colors.

Solid Beds of Murillo, early double light pink, or **Rose Grisdelin**, early single, delicate pink, are very attractive.

☛ **Plant a shallow rooting annual in your Tulip bed, and you will not have a bare spot when the bulbs are gone. It also keeps the weeds down. Forget-me-nots, Petunias, Pinks, Poppies, Verbenas, Candytuft,** are a few of the best. Low growing perennials are also good, as they need not be disturbed. It is best not to lift Tulips each year. Leave them in the ground. They bloom better.

FLORISTS, GARDENERS and LARGE BUYERS of BULBS, should submit their Lists for Special Prices on the Number of Bulbs they Use. We can save You Money and Our "Diamond Quality" Bulbs will Give You Satisfaction

Portland Seed Company's

AUTUMN CATALOG

Trees, Roses, Bulbs, Plants

PORTLAND Diamond SEED Quality COMPANY

FALL 1914 - SPRING 1915

FALL PLANTING is advised where conditions will permit, and in Western Oregon and Washington, splendid results are thus obtained. Plantings being made throughout the Winter season, the roots becoming well established, while tops remain dormant, the Spring growing season finding the tree, plant or bulb ready to make a vigorous, normal growth.

The stocks listed in this Catalog are offered with full confidence that they will more than please you, as they have been carefully selected and their merits proven in trial plantings.

Fruit and shade trees, shrubbery, berry bushes and plants are grown near Portland under our direct supervision; clean, healthy, vigorous stock that cannot be excelled.

Tell us your planting plans as our experience may prove helpful. We know what is best for either temporary or permanent effects, the satisfactory and profitable varieties to grow, best methods of production, and may save you much unnecessary expense. This special service is free to you, and your inquiries and orders will always have our best attention.

PORTLAND SEED COMPANY.

IMPORTANT---PLEASE READ CAREFULLY

WHEN TO ORDER.—We issue this Catalogue in September, but customers can order at any time and goods will go forward in season, as follows:

FLOWERING BULBS.—We are direct importers from Holland, France, Bermuda and Japan; stocks begin to arrive in August, most deliveries being complete by December 1st, except such bulbs as Cannas, Dahlias, Gladioli, Tuberous Begonias, etc., which are not ready until after February 1st.

If you are not ready to plant bulbs when received, put them away in a cool, dry place and they will keep for weeks.

See Cultural Directions under the different headings for best time to plant.

ROSES.—In our list will be found the recent introductions of the world's great rose specialists, if there is a novelty of real merit we can supply it. Our large two-year old field grown roses are ready for delivery from October until June, one-year old mailing size from January to August. The earlier you set them out the better they will grow.

PALMS, POT AND HOUSE PLANTS.—We carry a splendid assortment and can furnish nice plants during the whole year. Palms and plants should be potted as soon as possible after arrival and watered well for a day or two so as to settle the earth around the little fibrous roots.

FRUIT, SHADE AND ORNAMENTAL TREES AND SHRUBS.—We ship these from October until June and recommend fall and early spring planting. If you do not want to plant on arrival, dig a trench and "heel" your trees in. If the ground is frozen, put them in a cellar and keep the roots damp.

COMPLAINTS OR PRAISES.—If our goods and treatment please you, tell others; if anything is wrong, tell us quickly, so that we can make it right. Our best efforts will be given to filling all orders in a satisfactory manner.

Order early—it helps us to please you.

WE NEVER SUBSTITUTE without permission from our customer. But as many items are sold out as the season advances, when requested, we will substitute varieties of equal merit maturing about the same season. **But always labeled true to name.**

MAIL and EXPRESS CHARGES on BULBS Only Flowering Bulbs are Prepaid at Catalog Prices All other items F. O. B. Nursery unless otherwise stated

WE CANNOT SEND GOODS C. O. D.—CASH MUST ACCOMPANY ALL ORDERS.
SEND MONEY by postoffice or express money order, bank draft or registered letter.
DO NOT SEND PERSONAL CHECKS as your order may be delayed by their collection

We give no warranty, express or implied, as to description, quality, productiveness, or any other matter of any seeds, bulbs, nursery stock, roots or plants we send out, and will not be in any way responsible for the crop. If the purchaser does not accept the goods on these terms, they are at once to be returned. PORTLAND SEED COMPANY.

Early Flowering Bulbs

FOR INDOOR PLANTING

NARCISSUS
"Paper-White"
GRANDIFLORA
For
Growing in Pots or
Glasses

THE EARLY FLOWERING BULBS for indoor planting will give the first winter flowers and can be had in succession from early winter until spring. They are of easy culture, sure to bloom, and should be in every home and school room.

French Roman Hyacinths

WHITE, PINK, BLUE

A charming class of Hyacinths, extensively grown by florists for Winter flowering. Each produce several very graceful flower spikes. The delicious perfume, earliness and profusion of bloom have made Roman Hyacinths exceedingly popular. They are so easily grown and so early that if potted early they can be brought into flower in November and December, and a succession can be had in bloom throughout the Winter and early Spring.

The best effect is produced by planting four to twelve bulbs in the shallow bulb pots. They may also be planted outdoors.

For cutting purposes the Roman Hyacinth is the finest bulb grown and is most valuable for early planting in the house. Be sure to state whether you want White, Pink or Blue. White "Romans" are the best bloomers.

Prices, each, 7c; dozen, 75c; 100, $5.00.

Italian White Hyacinths

"RED SKINS"

For early forcing in pots or boxes. The Italian "Redskin" white Hyacinth is a little later than the French Roman but has a larger spike of bloom. The color is white with a very light blush suffusion. Plant same as Roman Hyacinths.

First size bulbs, each, 5c; dozen, 50c; 100, $4.00.

Narcissi-Polyanthus

The Polyanthus varieties of Narcissi are not only beautiful, but deliciously sweet-scented, and of the easiest culture, very free flowering and suitable for forcing indoors or bedding out, continuing long in bloom. They bear tall spikes of bloom, bearing from six to twenty-four flowers each.

PAPER WHITE—Grandiflora. Flowers pure white, especially desirable for their beauty and delicious odor. It forces admirably and flowers freely in dense clusters; will come into bloom as early as December, if potted early. Forced by florists for cut flowers. Anyone can grow them in the house successfully. Plant one bulb to a three-inch pot, four to a six-inch pot. Can be grown in water.
See page 2. **Each, 5c; doz., 40c; 100, $2.50**

GRAND MONARQUE—Large, pure white, with lemon cup. One of the finest in this class. **Each, 6c; doz., 60c; 100, $4.00**

GRAND SOLEIL D'OR—Rich yellow, with orange cup; fine for bedding and cutting. **Each, 6c; doz., 60c; 100, $4.00**

THE PEARL—Pure white flowers of mammoth size and very fine; looks very much like the Grandiflora, but is much larger. **Each, 6c; doz., 60c; 100, $4.00**

EXTRA FINE MIXED..... **Doz., 50c; 100, $3.50**

FOR HYACINTH GLASSES
See inside of front cover.
FOR CULTURAL DIRECTIONS
See page 7.

Sacred Chinese Lily—Narcissus Orientalis

The "Shui Sin Far," or Water Fairy Flower, Joss Flower, or Flower of the Gods, etc., so called by the Celestials, is a variety of Narcissus, bearing in lavish profusion chaste flowers of silvery white, with golden cups, which are of exquisite beauty and entrancing perfume. They are grown by the Chinese, according to their ancient custom, to herald the advent of their new year and as a symbol of "good luck."

By method of culture original to them, they succeed in growing large, solid bulbs, which produce a profusion of bloom in an incredibly short time, usually not more than four to six weeks from the time of planting.

These Sacred Lilies do well in pots of earth, but are more novel and beautiful grown in shallow bowls of water, with enough pebbles to prevent them from tipping over when in bloom. A dozen bulbs started at intervals will give a succession of flowers throughout the winter.

This splendid flowering bulb increases in popularity each year, and we import annually, direct from China, immense quantities of the best bulbs—large, solid and well matured.

Bulbs ready from September to April.

Each, 15c; 2 for 25c; doz., $1.40, postpaid

FERNS and PALMS

Fine, healthy, well-rooted plants can be safely delivered to any postoffice. All sizes at reasonable prices.

See Pages 22-23.

OXALIS

Charming little half-trailing or bushy plants, particularly adapted for pot culture and hanging baskets; the foliage alone is very attractive, and when in flower they are exceedingly pretty.

Fine mixed 2 for 5c; doz., 20c; 100, 75c

Grand Duchess—A California variety of great beauty; of dwarf, sturdy growth; free flowering and very desirable. Pink, lavender, or white.

Each, 4c; doz., 35c; 100, $2.00

Bermuda Buttercup—Bears in profusion, bright, golden yellow flowers all winter. One of the finest winter blooming plants ever introduced for pots, baskets and vases; produces a mass of pretty foliage covered with hundreds of buds and flowers at one time. For forcing, plant the bulbs in light, rich soil and set in a cool place for several days, then remove to a warm, sunny window.

Single Each, 4c; doz., 35c; 100, $2.00

FREESIAS

These popular winter blooming bulbs force readily, coming into bloom early, and by successive plantings will last throughout the season. Their handsome clusters of white flowers have a most delicious fragrance. Plant four to six in 4-inch pot.

New Giant Freesia—Purity

A grand new Freesia of giant size and good substance, pure white, a vigorous grower and good keeper First size bulbs **Doz., 50c; 100, $3.50**

Refracta Alba—The flowers are pure white with a yellow blotched throat and are exquisitely fragrant.

First size bulbs. **Doz., 30c; 100, $1.50**
Extra large bulbs. **Doz., 35c; 100, $2.50**

LILIES—Japan

AFTER bulbs are set out they should remain undisturbed for five or six years. They will increase in size, beauty and number of flowers, with practically no attention, our coast climate being perfectly suited to their requirements, and once established, they rival the famous product of Japan.

Planted outdoors during the fall or early spring they flower each year from June to October. We have selected the finest types that bloom freely and in the various kinds listed below you will find Lilies suitable for every purpose.

EASTER SUNDAY April 4 1915

Lilium Auratum

(Golden Banded Lily)

The handsomest and best known of the Japan Lilies. Its immense ivory-white flowers are thickly studded with yellow and crimson spots, while in the center of each petal is a gold band fading at its edges into white; very fragrant. They bloom from June to October.

Mammoth bulbs.....Each, 20c; doz., $2.00.
Large bulbs.....Each, 15c; doz., $1.50.

AURATUM PICTUM—Same as Auratum, except gold band shades into bright crimson at margin. A rare and beautiful Lily.

50c each, postpaid.

AURATUM PLATYPHYLLUM—This is without question one of the most wonderful Lilies in cultivation. The leaves are very long and broad, and the stems attain a height varying from seven to ten feet. The flowers are similar in color to Auratum, heavily spotted, but are much larger, the petals more overlapping and of greater substance.

Mammoth bulbs..... Each, 25c; doz., $2.50
Large bulbs..... Each, 20c; doz., $2.00

Lilium Formosum

LILIUM FORMOSUM. The best of the Longiflorums, being early, free flowering and free from disease.

Mammoth bulbs.....Each, 20c; doz., $2.00.
Large bulbs.....Each, 15c; doz., $1.50.

Lilium Longiflorum—Giganteum

Of grand size and substance; superior to the Multiflorum, but forces a little later; especially fine for open ground.

Mammoth bulbs.....Each, 20c; doz., $2.00.
Large bulbs.....Each, 15c; doz., $1.50.

Lilium Candidum

This is the ever popular, fragrant snow white hardy garden Lily. It grows four to five feet high and blooms in the open ground in June. Our stock is imported from the Azores, the finest obtainable; should be planted early.

First size. Each, 20c; doz., $2.00; 100, $15.00

Second size. Each, 15c; doz., $1.50; 100, $10.00

Tiger Lilies

TIGRINUM SPLENDENS (Improved Single Tiger Lily)—Has very large flowers of excellent form; color orange-salmon, with dark spots; hardy and a free bloomer.

Mammoth bulbs.....Each, 15c; doz., $1.50.
Large bulbs.....Each, 10c; doz., $1.00.

TIGRINUM FLORE PLENO (Double Tiger Lily)—This is a magnificent lily of stately habit, bearing immense clusters of very large double flowers on tall, strong stems; color bright orange red, spotted with black.

Mammoth bulbs.....Each, 30c; doz., $3.00.
Large bulbs.....Each, 20c; doz., $2.00.

Florists' Supplies—We carry a complete line of High Grade Stocks at prices so reasonable that you cannot afford to "go East" for them. *Write us your requirements or send in a trial order.*

LILIES--Continued

Lilium Speciosum

No words can overstate the brilliant beauty of this charming class. Its six broad white, or pink petals thickly dotted with rose or carmine spots, and the graceful form, brilliant color and exquisite fragrance make this one of the most effective and desirable of the Lily family. They are profuse bloomers and last for days after being cut and put in water.

SPECIOSUM ALBUM—Pure white, flowers freely.
Mammoth bulbs.....**Each, 30c; doz., $3.00.**
Large bulbs.....**Each, 20c; doz., $2.00.**

SPECIOSUM RUBRUM—White with dark rose spots.
Mammoth bulbs.....**Each, 25c; doz., $2.50.**
Large bulbs.....**Each, 20c; doz., $2.00.**

SPECIOSUM RUBRUM MELPOMENE—White, shaded rich blood crimson, heavily spotted; very rich and showy.
Mammoth bulbs.....**Each, 25c; doz., $2.50**
Large bulbs.....**Each, 20c; doz., $2.00.**

Washingtonianum.

(Mt. Hood Lily)

A beautiful Lily, native of Oregon; flower large, of open form, white, tinted with lilac; grows 3 to 5 feet high; very fragrant.
Choice bulbs .....**Each, 25c; doz., $2.50.**

CALLA LILIES

Lily of the Nile

CALLA AETHIOPICA. Our well known White Calla in its rare and stately beauty has few equals as a pot plant, and nothing is easier to grow. Plant one bulb to 6-inch pot, give an abundance of water, light and heat, and the result will be most satisfactory.

We offer dry roots (from September on), as they are superior for forcing and winter flowering purposes. They come into bloom quickly.
First size bulbs.....**Each, 15c; doz., $1.50.**
Extra size bulbs.....**Each, 20c; doz., $2.00.**

Arum Dracunculus

THE BLACK CALLA—A rare and interesting plant, grows well and flowers freely; always attracts much attention. Arum Dracunculus is the most magnificent of the Black Callas. The flowers are 18 to 24 inches long, of rich deep black with a velvet sheen of darkest purplish red.
Price, Each, 40c; doz., $4.00; postpaid

Calla Elliotiana

YELLOW CALLA. The finest of the yellow Callas, growing to perfection under ordinary pot culture. Treat same as White Calla. Flowers are a deep rich golden yellow, 4 to 5 inches in diameter, and last a long time after opening. Foliage is a beautiful deep green, spotted silvery white; a grand novelty. **Price, each, 35c; doz., $3.75.**

Godfrey Calla

The flowers are a beautiful snowy white of good substance and are borne continuously in the greatest profusion. Specially valuable to florists and as a house plant on account of their wonderful freedom of bloom.
Price, each, 25c; doz., $2.50.

LILY OF THE VALLEY

Extra Select Berlin Pips.

One of the most satisfactory and charming Spring flowering plants, producing in profusion its delicate bell-shaped, delightfully fragrant, white flowers. Valleys thrive in any common soil, are perfectly hardy, and will succeed in shady situation. They can be left undisturbed in the open ground, where they will increase from year to year, and are most charming in beds or borders around the lawn. For outdoor planting and Winter forcing, pips and clumps are ready November to March.

SELECTED PIPS, for forcing indoors or planting outside. **Each, 5c; doz., 40c; 100, $2.50.**

STRONG CLUMPS, for outdoor planting.
Each, 30c; doz., $3.00.

NOTE.—Clumps can only be sent by express or freight at buyer's expense.

Arum Dracunculus

HYACINTHS

FOR centuries Hyacinths have been favorites with flowerlovers the world over, the wonderful beauty of their dainty waxlike flowers, their rare fragrance and easy culture endear them to every grower.

The newer sorts have massive spikes of bloom of the most delicate and beautiful shades, from pure white through blush to pink, rose, and deepest red, from dainty porcelain to shades of blue and blueblack, and from cream to yellow apricot and orange.

Grown in the open ground or in pots and glasses indoors, their magnificent spikes of bloom are a never ending delight and the admiration of all who see them.

Hyacinths are of the easiest culture — blooming through a long season and can be brought on from early winter until late spring.

Our "XX" Grade.—For those of our customers who want to produce Hyacinths of the grandest size and finest quality, we recommend our "XX" grade. These are extra choice, large, round, solid bulbs, selected especially for our best trade by our Holland growers. They will produce those handsome, mammoth flowers so highly prized, and are excellent for forcing and pot culture.

Our "X" Grade.—This grade is usually bought, and we sell more of this price and size bulb than any other. Our "X" grade is equal, if not superior, to the "First" or "Select Grade" offered by many seed stores.

Prices Postpaid. Special prices by the hundred. State varieties preferred.

XX Grade.....Each, $15c; doz.....$1.50 **X Grade.....12½c; doz.....$1.25**

Single Hyacinth

Single Pure White

Arentine Arendse—Grand pure waxy white flower, with large spike and bells. A rare beauty.

British Queen.—Pure white, very fine for early forcing, large compact spikes.

Baroness Van Thuill. — Large, pure white, handsome, compact spikes, very early, grows well in glasses.

La Grandesse.—Extra fine snow white, large spikes of fine formed bells, a grand exhibition variety.

L'Innocence.—One of the earliest; pure white; fine for forcing.

Madam van der Hoop.—Pure white. One of the best for general planting; flowers large and handsome; erect habit.

Single Blush White

Grand Blanche—A fine blush white, flowers large and of excellent quality.

Grandeur a Merveille.—Lovely blush white, the best of its color; very large spikes.

Mr. Plimsoll—Extra fine, blush white, large flower and bells.

Single Red and Pink.

Baron Van Thuyll—Fine pink, large spikes, early; forces easily.

Cavaignac—Large Salmon Pink, forces well, a good keeper, extra fine for exhibition.

Charles Dickens—This is decidedly one of the finest pinks; spikes large; easy to force.

General Pelissier—Brilliant carmine, compact spike; an early forcer. One of the best.

Gertrude—Fine rosy pink; excellent sort for forcing or bedding. Flowers large.

Gigantea—Fine blush pink; giant, compact spike; a popular sort among gardeners.

King of Belgium—Fine deep scarlet; compact truss. Excellent bedder.

Lady Derby—(New)—Lovely light rose pink, large spike.

Moreno—Extra fine pink, very large spikes and bells; forces easily. Highly recommended.

Norma—Pale, waxy pink, handsome, large and good forcer. Extensively planted.

La Victoire—New—brilliant carmine red, forces early, extra fine.

Lord Macaulay—Bright carmine pink, light center, large compact flower.

Single Yellow

Ball of Gold—Large compact spike, golden yellow, best of its color.

Ida—Best pure yellow, for early forcing, fine large spike.

King of Yellows—Fine, bright golden yellow, grand spikes, a superior bedding variety.

Alexander of Orange—Bright orange, large truss.

MacMahon—Rich yellow, large spike. Excellent flower, forces early.

Yellow Hammer—Golden yellow, extra fine flower, forces easily; exhibition variety.

Single Blue

Grand Lilas—Extra fine porcelain blue, grand large spikes and bells; forces easily.

King of Blues—Deep glossy blue, large compact spikes. The finest dark blue Hyacinth.

Enchantress—Clear pale blue; one of the finest exhibition varieties.

Lord Derby—Pearl blue, very large handsome spike, good for glass.

Grand Maitre—Deep porcelain blue; spikes large and handsome.

Queen of the Blues—A beautiful light blue with silvery sheen; a large, handsome flower.

Select Double Named Hyacinths

While the flowers of Double Hyacinths are large and beautiful, the spikes are not generally so full of bells as those of the single sorts.

All First Size, Large, Solid, Select Bulbs **Price, each 15c; dozen, $1.50**

Double Red

Bouquet Royal—Salmon pink, red center.

Chestnut Blossom—Light Pink, large spike and bells.

Noble par merite—Deep red, fine large spike; early; fine forcer.

Koh-i-noor—Deep Pink, semi-double, large flower.

Lord Wellington—Large spike and flower; best of the double pinks.

Double Yellow

Goethe—Light yellow, large spike, one of the best double yellow Hyacinths.

William III—Rich orange yellow, good bloomer, one of the very best yellows.

Sun Flower—Fine pure yellow, best of its color.

Double White

Bouquet Royal—Pure white, large spike.

La Tour d'Auvergne—Earliest pure white.

Isabella—Fine blush white; grand spike.

La Grandesse—Magnificent pure white sport of the single La Grandesse.

Double Blue

Bloksberg—Light blue, marbled.

Charles Dickens—Dark porcelain blue, extra fine spike and bells.

Garrick—Deep azure blue, very large spike.

Van Speyk—Beautiful shade of lilac, large compact truss.

"DIAMOND QUALITY" Bedding Hyacinths--ASSORTED COLORS

A superior grade of large size, selected bulbs, generally used for planting outdoors in making up beds, borders or large displays, but are equally good for forcing. They are low in price but of superior quality and will all produce fine spikes of bloom. These Hyacinths are not to be classed with the cheap grade of bulbs usually sold as "mixed" Hyacinths.

SINGLE—Pink, Red, White, Pure White, Blush White, Yellow. Each, 7c; doz. 75c. Per 100 $5.00.

Dark and Light Blue. Each, 8c; doz, 90c. Per 100, $7.00.

DOUBLE—Pink, Red, White, Pure White, Yellow, Each, 7c; doz. 75c. Per 100 $5.00.

Dark and Light Blue. Each, 8c; doz. 90c. Per 100, $7.00.

Culture of Hyacinths

OUTDOOR CULTURE.—The preferable season is October, November and December, but bulbs will give good results if planted somewhat later. Plant so that the tops of the bulbs will be from two to three inches below the surface and five to eight inches apart. In preparing the bed, see that it is well drained, so that the bulbs will not rot during our long wet winters. After flowering, if the beds are wanted for late spring planting take up the bulbs, tops and roots, and "heel in" in some corner of the garden until the bulbs mature, after which they should be spread out in an airy room to dry, and kept in a cool, dark place until time for replanting the following autumn.

CULTURE IN GLASSES.—When it is desired to grow Hyacinths or Narcissus in water, they should be placed so that the base of the bulb merely touches the water. The glass should then be set in a cool, dark place, until filled with roots, when they may be brought into the light. Fill the glasses with fresh water every few days. Give as much fresh air as possible without letting the plants stand in a draught, and as nearly as possible at a temperature of 60 degrees until the spikes are developed.

INDOOR CULTURE IN POTS.—Bulbs for winter blooming can be planted from September until December—the earlier the better. Plant one bulb to a four-inch, or three to a six-inch pot. Then place in a cool, dark cellar, watering well. The whole success of pot culture depends on getting the roots well established in the pots, at a low temperature of, say, 40 to 50 degrees, before you begin to force the tops. From four to six weeks is not too long to leave them in a dark, cool place. After this the bloom is easily developed by giving light, heat and water, and one can have a supply of flowers from Christmas until Easter by regulating the time of bringing them to light.

TULIPS

Extra Select Large Solid Bulbs

WHETHER planted in masses or small beds Tulips produce a handsome and striking effect. They are equally desirable as pot plants and are always sure to bloom. Any good garden soil will grow them to perfection, and no bulb makes such a gorgeous display of blossoms with so little cultivation.

Culture—The culture of Tulips is similar to that of Hyacinths, except that the bulbs should not be planted quite so deep, and from three to six inches apart. All single Tulips force easily. For indoor planting we have regular Tulip pans. Plant four bulbs to a six-inch pan; eight to an eight-inch pan, etc.

The letters A, B, C, following the varieties, indicate their earliness of bloom; the A's are the earliest, B's follow, etc. The average height in inches is also given for your benefit in selecting for bedding purposes.

Outdoors—Early or late planting does not seem to have much effect on Tulips, but they should be planted in fresh, rich soil, but not freshly manured, manuring should be done 6 months before planting.

Single Early Tulips

Single Scarlet

Artus, B 7—Deep, brilliant scarlet, fine for forcing or bedding.
Each, 3c; doz., 30c; 100, $1.75

Belle Alliance, B 7—Brilliant scarlet, sweet scented, excellent for forcing and bedding. **Each, 5c; doz., 40c; 100, $3.00**

Duc van Tholl, A 6—Bright scarlet; one of the finest for bedding and forcing.
Each, 4c; doz., 40; 100, $2.50

Prince of Austria, B 12—Bright orange vermillion, large sweet-scented flower, fine forcer and bedder.
Each, 4c; doz., 40c; 100, $3.00

Vermillion Brilliant, B 8—A beautiful flower; forces easily and early; one of the largest and finest scarlets.
Each, 6c; doz., 50c; 100, $4.00

Cramoise Brilliant, B 10 (Sparkler)—Bright vermilion, large flowers of great substance, fine forcer.
Each, 4c; doz., 40c; 100, $2.50

Crimson King, B 7—Bright crimson or scarlet, easily forced.
Each, 3c; doz., 30c; 100, **$1.75**

Maes, A 10—Rich scarlet tinged purple inside, center bronze with bright yellow ring; one of the earliest and best bedders.
Each, 5c; doz., 50c; 100, $3.50

Pottebakker, A 8—Bright scarlet; large fine flower, good for forcing or bedding.
Each, 4c; doz., 40c; 100, $2.50

Couleur Cardinal B 10—Rich bronze scarlet, large fine flower of great substance, long stems, erect habit; a splendid bedder and one of the best for forcing. Our stock is extra fine **Each, 4c; doz., 40c; 100, $2.75**

Single Violet

Wouverman, B 8—Purple violet, large flowers; fine for outdoor planting.
Each, 6c; doz., 60c; 100, $4.50

Van der Neer, A 10—Large violet purple, fine form, early.
Each, 8c; doz., 75c; 100, $5.00

President Lincoln, B 8—Pretty shade of lilac violet. Each, 5c; doz., 50c; 100, **$3.75**

EARLY SINGLE TULIPS---Continued

Single White

Albion, B 10 (White Hawk)—One of the finest pure white Tulips in cultivation for forcing and bedding; flowers snow white, very large and of great substance.
Each, 5c; doz., 40c; 100, $2.75

Joost Van Vondel—White—B 9—Finest and most handsome pure white Tulip, extra large.
Each, 8c; doz., 75c; 100, $5.00

Pottebakker, A 9—Pure white; fine large flowers **Each, 5c; doz., 50c; 100, $3.00**

Single Yellow

Chrysolora, A 9—Pure golden yellow, large and fine; excellent for bedding.
Each, 3c; doz., 30c; 100, $1.75

Gold Finch, B 9—Golden yellow, sweet scented; forces easily and early; stands well, a good bedding sort.
Each, 3c; doz., 30c; 100, $2.00

Mon Tresor—A 10—Earliest golden yellow, fine large flowers, one of the best forcing Tulips. Each, 4c; doz., 40c; 100, $2.50

Thomas Morus, A 12—Apricot orange. The finest forcing tulip of its color, large elegant form, very early.
Each, 3c; doz., 30c; 100, $2.00

Primrose Queen, B 10—A beautiful new tulip; rich sulphur yellow; a splendid forcer and good keeper. Florists should try this.
Each, 5c; doz., 50c; 100, $3.75

Golden Queen, A 13—A fine deep yellow, early and extra large.
Each, 5c; doz., 50c; 100, $3.75

Yellow Prince, B 9—Sweet scented; one of the very best for forcing; a fine yellow.
Each, 3c; doz., 35c; 100, $1.75

Duc van Tholl, A 7—Pure white; the best white Tulip for early forcing.
Each, 4c; doz., 35c; 100, $2.00

L'Immaculee, B 9—Pure white; good for forcing and bedding.
Each, 4c; doz., 35c; 100, $2.00

La Reine, B 8—Pure white; best white Tulip for forcing and bedding.
Each, 3c; doz., 30c; 100, $1.75

Single Pink

Le Matelas, A 12—Silvery pink, tipped white, shaded blush white.
Each, 6c; doz., 60c; 100, $4.50

Rose Grisdelin, B 7—Beautiful, delicate pink, finest pink Tulip in cultivation.
Each, 3c; doz., 30c; 100, $2.00

Rachel Ruisch—A light shade of pink, fine for outdoor planting.
Each, 3c; doz., 30c; 100, $2.00

Queen of the Netherlands, A 13—Large, light pink, fine globe-shaped flower.
Each, 4c; doz., 40c; 100, $3.00

Queen of Pinks—(Princess Wilhelmina)—Deep rosy red, flushed white; large and very beautiful, height 15 inches. **Each, 4c; doz., 40c; 100, $2.50**

Pink Beauty, B 11—Bright rose pink shading **to blush near yellow center. Has no** equal in its class.
Each, 7c; doz., 75c; 100, $5.00

Proserpine, A 12—Fine glossy carmine pink, large and early forcer and a splendid bedding tulip. Each, 5c; doz., 50c; 100, $4.00

Finest Single Mixed

This mixture contains all colors and shades, and is very fine for bedding.
Each 3c; doz. 25c; 100, $1.50

Single Variegated Tulips

Cottage Maid, B 9—White bordered with, pink, extra fine and showy.
Each, 3c; doz., 30c; 100, $1.75

Duc de Berlin, A 10—Scarlet edged orange yellow, fine forcer.
Each, 4c; doz., 40c; 100, $2.50

Flamingo—Color white, flaked rosy red, fine for forcing. **Each, 6c; doz., 60c; 100, $4.50**

Joost van Vondel, B 9—Deep, glossy, cherry red and white, large and attractive.
Each, 4c; doz., 35c; 100, $2.75

Keizerskroon, B 9—Bright red, with yellow edge; very large, no other Tulip makes such a handsome bed. Each, 4c; doz., 35c; 100, $2.25

Standard Royal, B 9—Silvery white, feathered with cherry crimson.
Each, 4c; doz., 40c; 100, $3.00

Flower Pots and Bulb Pans
On Page 42

ORDER
EARLY
While Stocks are Complete

BE SURE TO PLANT A FEW GROUPS OF THE

Giant Darwin Tulips

We Offer a Splendid Collection—See Page 12

Be sure to plant **Elegans Alba** **Elegans Red** and **Ellen Wilmott** most beautiful and distinct of their class.

See our Diamond collection.

Single May Flowering Tulips

THESE are to be grown in the open ground only, each individual blossom being a marvel of beauty in itself. They grow from 18 to 24 inches high and appear at their best when used in the border, the fore-ground of shrubbery or buildings, or out of the way corners of garden, where, if left undisturbed, they will bloom with increasing beauty for years. They are extremely hardy and the flowers borne on long, strong stems are good keepers when cut.

Bouton d'Or—Golden yellow, graceful form, beautiful flower. The only late pure deep yellow.
Each, 3c; doz., 30c; 100, $2.00

By-blooms—White ground, flaked with violet, crimson and maroon.
Each, 3c; doz., 30c; 100, $2.00

Gesneriana Lutea—Deep yellow, fine large flower. **Each, 4c; doz., 35c; 100, $2.50**

Gesneriana Spathulata—Blooms large; color rich crimson with dark center.
Each, 3c; doz., 35c; 100, $2.00

Golden Crown—Deep yellow. with crimson edge; very showy.
Each, 3c; doz., 30c; 100, $1.75

Picotee—White with a pink border; fine for cutting.
Each, 3c; doz., 35c; 100, $2.00

Sweet Nancy—White to light pink, gracefully reflexed petals, margined red.
Each, 4c; doz., 40c; 100, $2.00

White Swan—A lovely egg-shaped pure white flower on long stems; extra fine cut flower. **Each, 3c; doz., 30c; 100, $2.00**

MOLES ?

If the moles eat your tulips don't get discouraged. Get some one-inch mesh poultry netting two feet wide and put it around your Bulb Beds, putting it in full depth so the top is about level with the surface of the ground

Diamond Collection

Ten Most Beautiful Show Tulips

Elegans Alba—White with red pencilling on margin, gracefully reflexed petals. yellow anthers.
Each, 6c; doz., 60c; 100, $4.50

Elegans-Red—Dark rich crimson, reflexed petals. Same beauty of form as Elegans Alba.
Each, 5c; doz., 50; 100, $3.50

Ellen Willmot—An exquisite shade of rich, creamy yellow; large refined flower; delicious fragrance; long keeper. The finest May flowering Tulip. **Each, 10c; doz., $1.00; 100, $8.00**

Orange Beauty — (Gesneriana Aurantiaca Major)—Brilliant orange red.
Each, 4c; doz., 40c; 100, $2.25

Inglescombe Pink—Salmon pink with blue base; one of the finest of the large May flowering tulips. **Each, 5c; doz., 50c; 100, $3.00**

Inglescombe Scarlet—Same form as the pink type. Color a rich scarlet black base.
Each, 5c; doz., 50c; 100, $3.50

Inglescombe Yellow—A large fine yellow of perfect form; may be used for yellow Darwin.
Each, 10c; doz., 95c; 100, $7.00

Isabella—(Shandon Bells)—Cream turning to carmine, large. **Each, 3c; doz., 35c; 100, $2.00**

Mrs. Moon—Large orange yellow. A superb tulip, the best of its color.
Each, 7c; doz., 75c; 100, $6.00

Primrose Beauty—Soft primrose, changing to white; a magnificent flower of the Wilmot type.
Each, 7c; doz., 75c; 100, $4.00

SPECIAL—For trial, one each of these 10 beautiful rare Tulips for only 55c postpaid.

Early Double Tulips

THE double Tulips are used mostly for outdoor planting and bloom a little later than the early Single Tulips. Being double and full, the blooms last longer. This, with the great variety of colors, shades and markings, makes them favorites with many.

Couronne d'Or, B 8—Fine yellow, the best double yellow for forcing, strong stem and stands handling well.
Each, 5c; doz., 50c; 100, $3.00

Duke of York, B 10—A lovely carmine having a white edge; very showy; fine for bedding. **Each, 4c; doz., 35c; 100, $2.25**

Gloria Solis, A 9—Deep crimson, with a broad, golden yellow margin; a grand flower.
Each, 4c; doz., 40c; 100, $2.50

La Candeur, B 8—Pure white, very full and double; extensively grown in open beds.
Each, 4c; doz., 35c; 100, $2.25

Murillo, B 8—This is decidedly the best double pink Tulip for forcing or bedding; flowers large and full; very fine.
Each, 3c; doz., 30c; 100, $2.00

Queen Victoria, B 8—Carmine, a lovely flower; good bedder.
Each, 4c; doz., 40c; 100, $2.50

Boule de Neige (Purity), A—Pure white large paeony-like flower.
Each, 6c; doz., 60c; 100, $5.00

Rosina, B 15—Beautiful white tinged rose.
Each, 4c; doz., 35c; 100, $3.00

Tournesoll, Yellow, B 13—Bright yellow, slight orange flush. **Each, 5c; doz., 40c; 100, $3.50**

Vuurbaak, B 14—Bright scarlet, flushed orange; very attractive. **Each, 5c; doz., 40c; 100, $3.50**

Rubra Maxima, B 9—Bright crimson scarlet, superb variety for bedding; cannot be forced; flowers large.
Each, 4c; doz., 40c; 100, $2.50

Salvator Rosa, A 7—Beautiful deep rose, flamed with white; fine for forcing.
Each, 5c; doz., 45c; 100, $3.00

Titian—Scarlet; edged yellow. Height, 12 inch
Each, 6c; doz., 60c; 100, $4.00

Lord Beaconsfield—Brilliant crimson-rose, th shape of the flower resembles a giant Ranunculus Height, 12 inches.
Each, 6c; doz., 60c; 100, $4.00

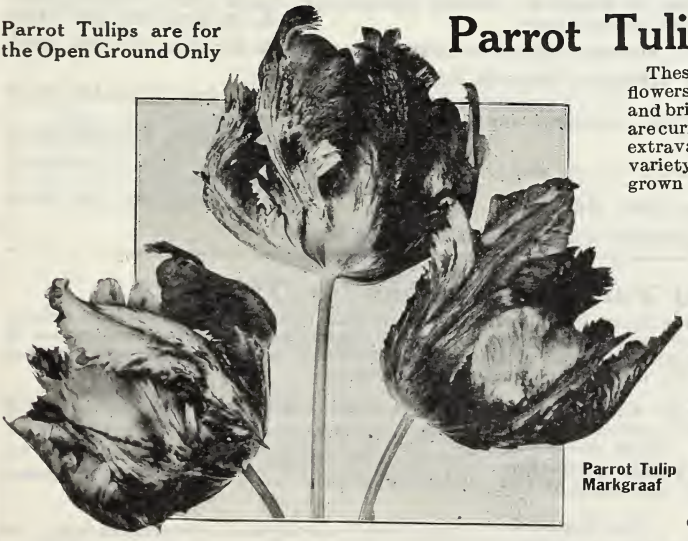
Fire King—Beautiful orange-red, a very striking color. Height, 14 inches.
Each, 6c; doz., 65c; 100, $5.00

Murillo—Sulphur (Brimstone Beauty) soft pal yellow, shaded apricot, quite an unique color in double tulips. Height 12 inches.
Each, 10c; doz., 95c; 100, $7.00

Early Double Mixed—This mixture contains a large and choice assortment of all colors and shades; very suitable for outdoor planting. **Each, 3c; doz., 25c; 100, $1.50**

Parrot Tulips are for the Open Ground Only

Parrot Tulips



Parrot Tulip Markgraaf

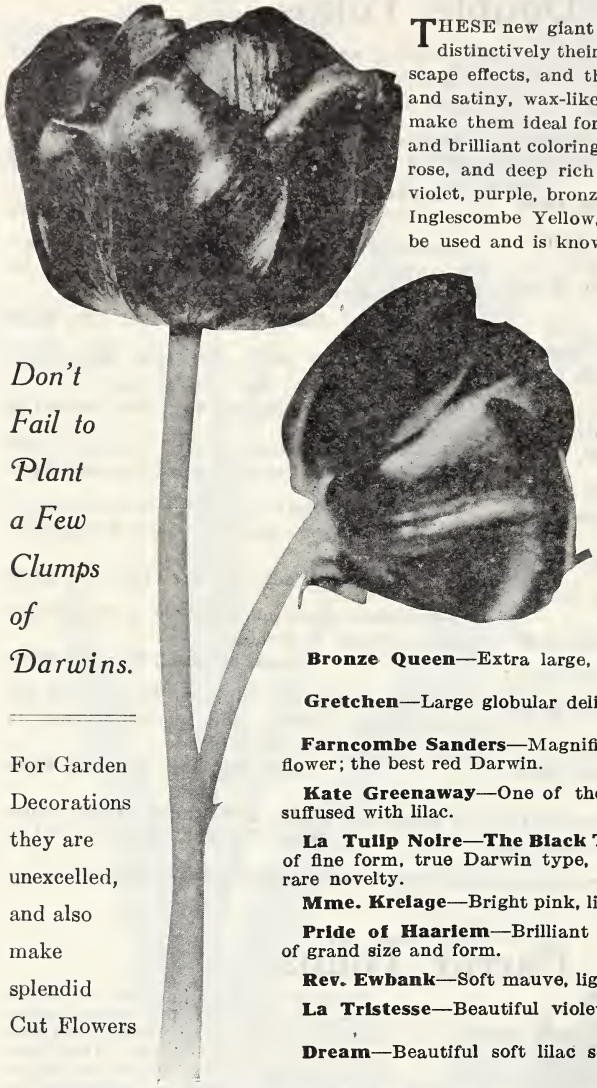
These Tulips have immense, attractive flowers of singularly picturesque forms and brilliant and varied colors. The petals are curiously fringed or cut. They form extravagantly showy flowers of endless varietyof form and color, and should be grown in every flower garden.

Admiral de Constantinople—Orange red, good size
Cafe Brun—Orange, red feathered; very showy.
Cramoise Brilliant—Beautiful carmine red, large flowers; very fine.
Lutea Major—Golden yellow, extra fine and large flowers.
Markgraaf—Inside rich orange, outside scarlet and yellow, feathered, extra fine.
Perfecta—Yellow. scarlet feathered

NAMED VARIETIES.
Each, 4c; doz., 35c; 100, $2.00
FINE MIXED—This mixture contains a large assortment of colors
Each, 3c; doz., 25c; 100, $1.75

For Beautiful New Ferns that are easily grown, see page 22.

New Giant Darwin Tulips



Don't Fail to Plant a Few Clumps of Darwins.

For Garden Decorations they are unexcelled, and also make splendid Cut Flowers

THESE new giant May flowering Tulips have a majestic beauty distinctively their own that is invaluable for garden and landscape effects, and their immense globular flowers of perfect form and satiny, wax-like texture, long stems and lasting qualities, make them ideal for cutting. They come in the most varied and brilliant coloring, from white through dainty pinks, salmon, rose, and deep rich reds to black, lavenders, heliotrope, blue, violet, purple, bronzes and browns, but as yet no pure yellow. Inglescombe Yellow, page 10, in the May flowering Tulips can be used and is known as the Yellow Darwin.

For best effects Darwins should be planted in clumps of from 15 to 25 bulbs of one color, or in the fore-ground of shrubs, trees, borders, or buildings. They prefer partial shade, but will thrive in any location. They come in hundreds of varieties, of which we offer the following as the best of their color. Try them.

CLARA BUTT—Bright apple blossom pink, a brilliant and beautiful self-color. The form is the ideal Darwin type, and is conceded by all critics to be the most magnificent of its class; one of the grandest garden tulips and also forces easily, making splendid and lasting cut flowers, must be grown cool when forced.

Each, 7c; doz., 75c; 100, $4.00.

Bronze Queen—Extra large, light bronze yellow.
Each, 8c; doz., 85c; 100, $6.00.

Gretchen—Large globular delicate pink flower, inside soft blush.
Each, 5c; doz., 50c; 100, $4.00.

Farncombe Sanders—Magnificent brilliant scarlet, a finely formed giant flower; the best red Darwin. **Each, 8c; doz., 80c; 100, $6.00.**

Kate Greenaway—One of the largest and latest; immense white flowers suffused with lilac. **Each, 5c; doz., 50c; 100, $3.50.**

La Tulip Noire—The Black Tulip, flowers large, lustrous and attractive, of fine form, true Darwin type, grows 24 inches high, May flowering. A rare novelty. **Each, 25c; doz., $2.50**

Mme. Krelage—Bright pink, lighter edge. **Each, 6c; doz., 65c; 100, $4.25**

Pride of Haarlem—Brilliant salmon rose, shaded scarlet, blue at base; of grand size and form. **Each, 6c; doz., 65c; 100, $4.50**

Rev. Ewbank—Soft mauve, light edging. **Each, 8c; doz., 85c; 100, $6.00**

La Tristesse—Beautiful violet with light base.
Each, 10c; doz., $1.00; 100, $8.00

Dream—Beautiful soft lilac self colored, extra large.
Each, 8c; doz., 85c; 100, $6.00

Bartigon—Carmine red; a great favorite and fine for forcing.
Each, 8c; doz., 85c; 100, $6.50

Sir Harry Veitch—Rich blood red, blue base. large, handsome flower, 28 inches.
Each, 6c; doz., 65c; 100, $5.00

MIXED—Each, 4c; doz., 40c; 100, $2.50

Special Tulip Collections for Trial

FOR those who would learn the names of Tulips, their relative time of flowering and habit of growth, and to enable you to select varieties you prefer for special planting purposes, we offer one each of the following classes at reduced prices for trial. A knowledge of the classes and names of flowers increases the value and adds greatly to the interest and pleasure of gardening.

No. 1 Trial Collection—39 Early Single Tulips—One each of the named varieties listed on pages 8 and 9. **$1.40, postpaid.**

No. 2 Trial Collection—18 May Flowering Tulips—Page 10. A splendid assortment of the most beautiful garden tulips. **70c, postpaid.**

No. 3 Trial Collection—16 Finest Double ulips—Useful for forcing or outdoor plantings.. page 11. **65c, postpaid**

No. 4 Trial Collection—13 Giant Darwin Tulips—A select list of the most magnificent varieties—see description above. These are for outdoor planting. **95c, postpaid.**

No. 5 Trial Collection—6 Parrot Tulips—The most wonderful and unique of all tulips, page 11. These are for outdoor planting. **20c, postpaid.**

Crocus

These charming little flowers bloom at a time when the ground is destitute of foliage or other flowers. This makes them most welcome, and they should occupy a prominent place in every garden. When planted in borders or beds in one or more colors, the effect is striking. No spring display surpasses that of the Crocus. The broad, wavy bands of golden yellow, striped, purple, or of pure white, when they expand their blossoms in February and March, are incomparable.

A desirable effect is produced by setting Crocuses here and there over the lawn. It is only necessary to lift the turf and insert the bulbs about two inches deep. They will care for themselves, blooming very early amid the grass, and dying down to the bulb in ample time to be entirely out of the way of the lawn mower. Once planted, they will remain uninjured in the ground and bloom for years.

Plant from October to March, about three inches deep and about two inches apart in beds or borders. Indoor, the Crocus can be easily forced. Plant from six to a dozen bulbs in a shallow pot, keep cool and water well, treating same as Hyacinths.

FERNS

That are easily grown

The newest most beautiful varieties.

See 32

Planted in pots Crocus make splendid house plants. :: :: ::

New Giant Crocus Purpurea Grandi-Flora

Named Crocus

The following varieties are new and improved sorts, the finest of their color. Be sure to include them in your list. For forcing or special work the Named Crocus is best.

King of the Whites—Mammoth snow white, truly the king of all white Crocus.

Lothair—White with blue stripes, very beautiful and distinctive.

Purpurea Grandiflora—Bright purple, large, fine flower; best of its color.

Baron Brunow—Bright purple, free bloomer, flowers large, extra fine.

Cloth of Gold—Golden yellow, slightly veined red, flowers large.

Cloth of Silver—Silvery white, striped lilac.

Mont Blanc—Large, pure white; one of the finest.

Mammoth Yellow—Yellow, selected bulbs of large size; finest blooms.

Sir Walter Scott—White, striped with purple, the best striped, very large.

Price, doz., 20c; 100, $1.25; 1000, $10.00

Mixed Crocus

These separate colors in mixed shades are extensively planted for outdoor beds or borders. Our bulbs are all solid and sound and first size. We have four colors.

Assorted—Blue, striped, white or yellow.

Doz., 10c; 100, 65c

Mixed—All colors. **Per 100, 60c**

PORTLAND SEED COMPANY'S

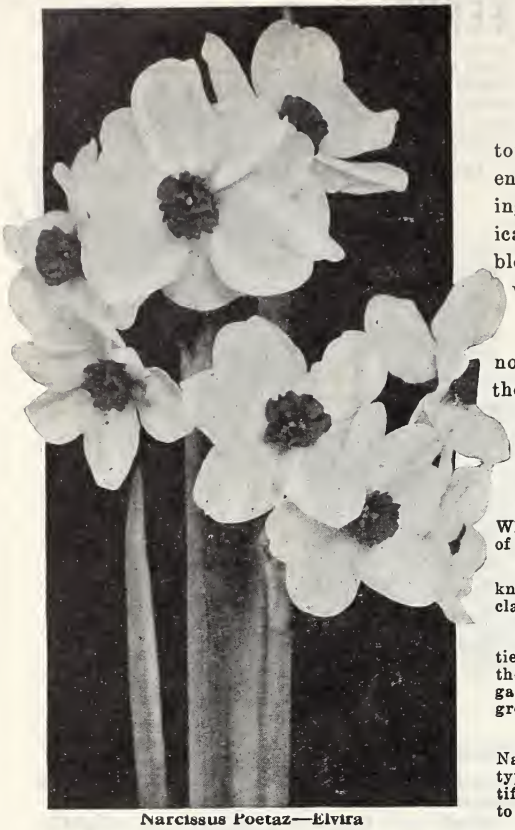
"Diamond" Fancy Lawn Mixture

TO HAVE a good lawn the soil must be fine and rich, and well leveled. Then the best seed obtainable should be used. Plant any time from September until late spring, depending upon the weather and soil conditions. Raking in the seed is advisable, and rolling greatly improves the turf. In watering your lawn soak it deeply and not too often, as light watering every day brings the roots close to the surface, where they quickly burn or dry out. You must not expect to make a fine lawn with cheap seed. The best lawn grass mixture will cost more at first than the poorer substitute, but it will be found much cheaper and more satisfactory in the end. Our "Diamond Quality" Fancy Mixed Grass Seed is prepared from the choicest recleaned Grass Seeds that have been carefully selected for their fineness and deep rooting, close growing habits and seasonable qualities, producing an ideal dense, velvety turf of lasting quality that remains green throughout the year.

Price, per lb., 45c postpaid; freight or express, per lb., 35c.; 10 lbs., $3.25.

Sow one pound to 400 square feet, 12 to 15 pounds to a 50-foot lot.

WRITE US FOR SPECIAL MIXTURES FOR TERRACES, SHADY PLACES, DRY OR WET LAND.



Narcissus Poetaz—Elvira

"Diamond Quality" NARCISSI

We consider Narcissi to be the most satisfactory and valuable of all flowering bulbs; coming in endless variety, adapting themselves to every planting condition or requirement, their stately and delicate beauty, exquisite perfume, earliness, free blooming and keeping qualities, endear them to all who have grown them.

Once planted in the field or garden they need no further attention but will thrive and perpetuate themselves, increasing in beauty for years.

Popular Types

The Polyanthus, flowering in clusters; the "Paper White" being the earliest, easiest to force and best known of this class.

The Trumpet types or "Daffodils" are the most widely known, and some of the best garden varieties are of this class; they also force easily, making ideal pot plants.

The "Chalice Cupped" or Star Narcissus are the daintiest and most charming of all types. To this class belong the Incomparabilis, Barrii, Leedsii, etc., all splendid garden varieties that will also give perfect results when grown in pots or forced.

The white flowered Poeticus type or "Pheasants Eye" Narcissus, give us some of the best of the later garden types, being hardy, sweet scented, very chaste and beautiful. Some varieties force easily, others are best suited to the garden or field.

The new Poetaz Narcissi are hybrids of Poeticus and Polyanthus types, forming a distinct and beautiful, free blooming, large flowered class that is attracting much attention and will be grown extensively as they become better known. They retain the polyanthus or cluster form of blooming, but the individual flowers are almost as large as the Poeticus types, equally valuable for bedding or forcing; extremely hardy.

Outdoor Culture—Plant in early fall if possible but plantings as late as Christmas will give excellent results. The depth to plant is 1½ the depth of the bulb. This gives a covering of 2 to 3 inches of soil. Any good garden soil which has not been recently manured will give satisfactory flowers, but a deep moist loam is best. If the ground is dry or sandy it should be dug deeply, well manured and an annual, such as potatoes, grown the year previous. If your soil is light and you do not want to take off a crop before planting, give a light dressing of lime to the surface and work in a layer of well rotted manure a foot below, so as to be out of reach of the bulbs, this layer is to hold the moisture, not as a fertilizer. The best fertilizer is ground bone. This can be used with safety on poor sandy soil. A little sulphate of potash, 3-4 oz. to the square yard, will improve the color of the flower and retain the moisture.

Pot Culture—The Bulbs should be planted as soon as received as earliest plantings insure finest flowers. In potting use good, turfy loam, but let no manure of any kind, well rotted or otherwise, touch the bulb. Set in a cool, dark room for a month or two, until well rooted, then remove to the light for flowering. (All bulbs prefer a cool temperature. Be careful not to grow them too warm). Do not cultivate too much, as extra vigor of growth injures the purity of color. Some Narcissi prefer partial shade but grow splendidly in any situation.

In Planting Narcissi large groupings of irregular outline give most pleasing effects, shun symmetrical lines or formal designs.

New Cluster-Flower—Poetaz Narcissi

These are hardy hybrids between Polyanthus and Poeticus, very vigorous, growth tall and stately, with clusters of delightfully fragrant flowers. They thrive and bloom in great profusion; good keepers, forcing or bedding.

ELVIRA—Long graceful stem, flower heads have three to four large blooms, broad, white petals, deep golden cup, with scarlet edge, delicious fragrance.

Each, 8c; doz., 75c; 100, $5.00

IRENE—Deep cup, beautifully fluted, perianth sulphur yellow, superb.

Each, 15c; doz., $1.50, 100, $10.00

NEWEST CACTUS and PAEONY Flowered DAHLIAS—See Pages 30 to 34

DAFFODILS

The trumpet types of Narcissi are the true old fashioned form of Daffodils, but we now have many new and wonderful sorts, they are the largest and most glorious of all Narcissi and are perfectly hardy everywhere. Can also be grown in pots. See page 14 for culture. We especially advise you to try Mad. de Graaff and Glory of Leiden.

To enable you to plant for succession of bloom, we have numbered the varieties in their relative earliness. No. 1, early March; No. 2, late March; No. 3, early April; No. 4, late April; No. 5, May.

TWO GRAND NEW GIANT DAFFODILS THAT YOU SHOULD GROW.

Mad. de Graaff—(4)—A lovely white daffodil. Opens with soft primrose trumpet passing to white, of perfect form, giant size, vigorous and free blooming; forces well and for garden or naturalizing in grass has no superior; height 16 inches. First-class certificate, R. H. S. **Each, 15c; doz., $1.65**

Glory of Leiden (4)—A fitting companion for the above; a bold, giant daffodil, with golden yellow trumpet, perianth lighter, very erect, of fine form and good substance; free blooming, forces well, is a good keeper and very hardy in open ground; height 14 inches. First-class certificate, R. H. S. **Each, 15c; doz., $1.65**

Albicans—(2)—The "White Spanish Daffodil" —Cream white, with silvery white trumpet slightly flushed with primrose and elegantly recurved at brim.
Each, 5c; doz., 50c; 100, $3.50

Bicolor Empress—(3)—Perianth snow-white, trumpet rich yellow, serrated and flanged at the edges, large in outline and of rare beauty.
Each, 6c; doz., 60c; 100, $3.50

Bicolor Victoria—(2)—A magnificent large variety, bold and erect. A rare beauty; sweet-scented and the best of the bicolor varieties. Perianth white and of great substance; trumpet rich yellow.
Each, 6c; doz., 60c; 100, $3.50

Emperor—(3)—A magnificent flower; perianth primrose; trumpet large, rich deep yellow. One of the finest Daffodils in cultivation.
Each, 6c; doz., 60c; 100, $3.50

Madame De Graaff

Golden Spur—(1)—One of the grandest Daffodils, with extra large, bold, rich, golden yellow flowers, foliage very broad and striking; of robust habit and unsurpassed for gardens, pots and forcing.
Each, 6c; doz., 60c; 100, $3.50

Trumpet Major—(3)—Flower large and almost of a uniform deep golden; highly prized as an early forcing sort and largely planted for outside bedding. Fine for cutting.
Each, 4c; doz., 35c; 100, $2.50

Obvallaris — (1) — (Tenby Daffodil) — A beautiful and distinctive type. Perianth and trumpet rich, full yellow, large, of good substance and perfect form. Very early, ideal for naturalizing, flower well.
Each, 6c; doz., 60c; 100, $3.50

SPECIAL One each of these nine Magnificent Single-Trumpet Daffodils 60c Post Paid

Jonquils

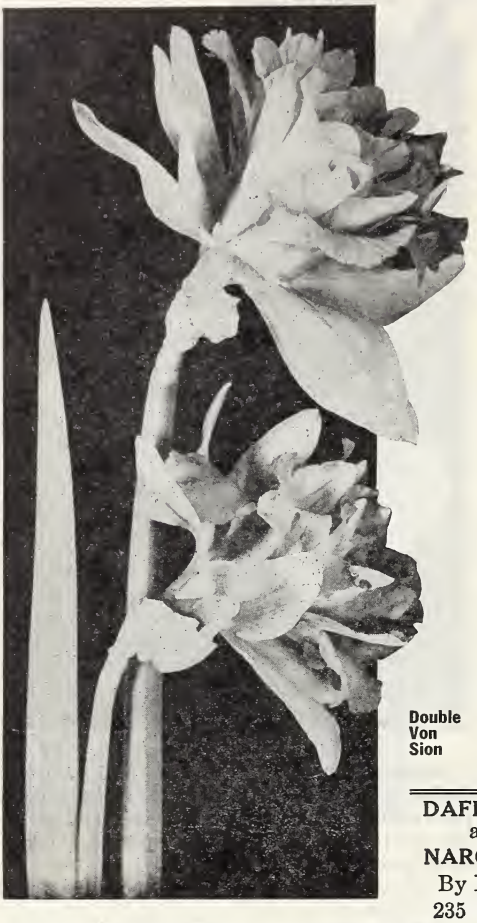
A Species of Narcissus distinguished by its Rush Like Leaves

Very popular on account of their easy cultivation and very fragrant, golden yellow blooms, which remain a long time in perfection. Easily grown in the house or open garden. Half a dozen bulbs can be put in a five-inch pot, and with the same treatment as recommended for Hyacinths a fine display can be produced from January to April.

For garden display nothing is finer, they are lasting, flower freely, are deliciously perfumed, and of a beautiful golden yellow; best of all they are inexpensive and should be planted freely.

Jonquil Campernelle Rugulosus—Improved giant Jonquil, broadly imbricated perianth, wrinkled cup, beautiful rich yellow.
Each, 3c; doz., 30c; 100, $2.00

Jonquil Campernelle Rugulosus Plenus—Double yellow flowers of great beauty on tall, graceful stems. **Each, 4c; doz., 40c; 100, $3.00**



Double Von Sion

Double Daffodils

Van Sion—(Telamonius Plenus) (2)—"The True Double Yellow Daffodil." Rich golden yellow perianth and trumpet. This is the old favorite so highly prized and deserves to be planted in quantity where it can remain undisturbed for several years. It will then thrive and bloom in increasing profusion every spring and is also one of the best winter flowering and forcing sorts, immense quantities being used for this purpose.

Each, 5c; doz., 50c; 100, $3.00

Van Sion—Double nose, extra large bulbs.

Each, 8c; doz., 75c; 100, $5.00

Silver (Sulphur) Phoenix (3)—Very large flowers; pale creamy white, shading to primrose. One of the finest varieties for pot culture, and makes a splendid cut flower.

Each, 5c; doz., 50c; 100, $3.00

Alba Plena Odorata—(6)—"The Double White Poet's Narcissus." Double, snow-white flowers, exquisitely scented; late flowering; cannot be forced.

Each, 3c; doz., 30c; 100, $1.75

Orange Phoenix (3)—(Eggs and Bacon)—Beautiful double white flowers, with orange center; splendid for pot culture, cutting and garden planting. **Each,** 5c; doz., 40c; 100, $2.00

DAFFODILS
and
NARCISSUS
By Kirby.
235 pages.
$1.10 postpaid.

Poeticus Varieties

Poeticus Varieties—These are among the most beautiful of all spring flowering bulbous plants. The large, single blossoms, 2 to 2½ inches across, are of a snowy whiteness, intensified by the exquisite golden colored cups, ringed like a pheasant's eye, with red and green. The flowers are gracefully poised on long, stout stems, adapting them for vases. They are especially valuable for garden planting. If allowed to remain undisturbed, they thrive, spread and improve every year.

Glory (4)—The new Poeticus, largest of the type. Snowy white, perfectly formed petals; a flower of great beauty, with every good quality.

Each, 10c; doz., $1.00

Poeticus (Pheasant's Eye) (5)—Pure white flowers, orange cup, edged with red. Very useful for cutting in spring, as they can be planted in borders out of doors, where they are perfectly hardy, and will bloom year after year. **Does not force.**

Each, 3c; doz., 25c; 100, $1.00

Poeticus Ornatus (4)—(The Improved Poeticus)—Pure white cup, edged with scarlet, much finer in form and earlier than Poeticus. A magnificent cut flower. **Largely used for forcing**

Each, 3c; doz., 25c; 100, $1.25

New "Poeticus Glory"

REMINDER **Narcissi** once planted increase in Numbers and Beauty each year. They are a permanent improvement.

NARCISSI—Continued

"Chalice Cupped" or Star Narcissi

Incomparabilis, Barrii, and Leedsii, are types of this class of hardy, vigorous, free flowering Narcissi. They also force well, are inexpensive and most beautiful. Be sure to plant them.

INCOMPARABILIS TYPES

Sir Watkin (2)—"The Giant Chalice Flower," or "Big Welshman." A gigantic variety, having immense, long-stemmed flowers, sometimes measuring five inches across, and is the largest variety grown. Color a rich light yellow, with a large, dark cup, tinted with orange
Each, 5c; doz., 50c; 100, $3.50

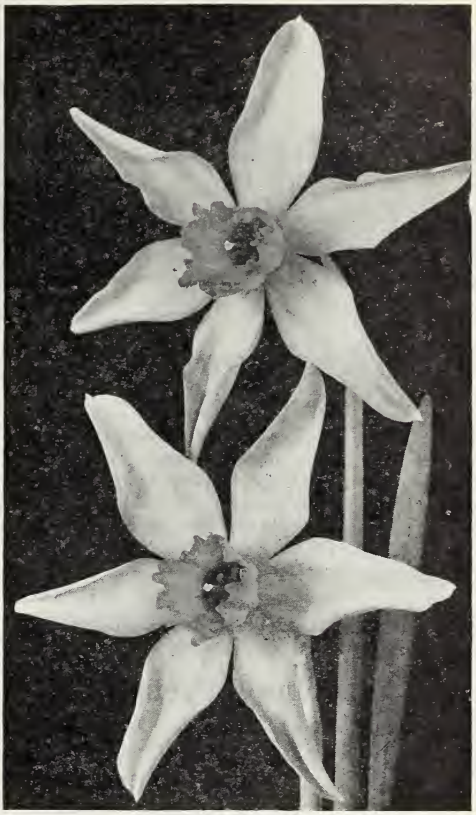
Incomparabilis Simplex—Yellow, fine for forcing and cutting; flowers well formed and fragrant.
Each, 4c; doz., 35c; 100, $2.00

Cynosure—(3) Sulphur white perianth, cup stained orange scarlet; a graceful showy flower.
Each, 4c; doz., 35c; 100, $2.00

BARRII TYPES

Barrii Conspicuus (4)—The finest of this class; long-stemmed flowers, with beautiful broad-petaled perianth; sparkling canary yellow, with deep golden cup, richly edged with orange scarlet. First-class certificate, R.H.S.
Each, 4c; doz., 35c; 100, $1.50

Flora Wilson—(4)—Pure white perianth, yellow cup, edged orange scarlet, a striking beauty. **Each 7c; doz., 75c; 100, $5.00**



Frank Miles

Mrs. Langtry
(Leedsii Type)

LEEDSII TYPES

The varieties listed below are among the most charming and beautiful of this lovely class; their dainty graceful flowers are freely borne on long stems, and are very lasting; they are hardy, vigorous growers and low in price; once planted in the open ground they will thrive and increase for years, requiring no special attention. They also make most satisfactory pot plants.

Leedsii White—(Type)—Silvery white, very free flowering. **Each, 3c; doz., 30c; 100, $1.75**

Frank Miles (3)—Large, soft, clear yellow; petals gracefully curved and twisted.
Each, 5c; doz., 50c; 100, $3.75

Mrs. Langtry (4)—A remarkable, free flowering variety, with broad white perianth and large white cup edged yellow. First-class certificate, R. H. S.
Each, 4c; doz., 35c; 100, $2.00

Minnie Hume (3)—Large white perianth, spreading cup, passing from lemon yellow to white. One of the best and most beautiful. Also awarded a first-class certificate, R. H. S. **Each, 4c; doz., 35c; 100, $2.00.**

Queen Bess (1)—Pure white perianth, bright yellow cup, large and very early.
Each, 5c; doz., 50c; 100, $3.00.

SEE PAGE 42 FOR COMPLETE LIST OF ROSES

Miscellaneous Spring Flowering Bulbs

Anemones

Coronaria

These bulbs produce a most beautiful and showy flower. The plant is neat and compact in growth. Foliage is very fine and elegantly cut. Culture same as for Hyacinths. For forcing indoors, plant three or four bulbs in a four-inch pot. Avoid too much heat.

Double blue, scarlet or mixed.
Each, 4c; doz., 35c

Single scarlet, blue, white or mixed.
Each, 3c; doz., 25c

Anemone Fulgens

Scarlet Wind Flower, extra large, splendid for winter forcing or early spring flowers; a profuse bloomer, lasting well when cut.
Doz., 35c; 100, $2.50

Giant St. Brigids

New-Giant St. Brigids—A new race of Anemones far superior to any hitherto known. Flowers come double, semi-double and single, from 3 to 5 inches across and in many varied and brilliant colors, long stems, free blooming. Planted inside in the fall will flower during the winter or can be planted in open ground after danger of frost has passed. Try them.
Price, Each, 5c; doz., 50c; 100, $3.00

Snowdrops—Galanthus

The first flower to bloom in the spring, producing small but beautiful white blossoms before other outdoor plants are started. Plant about one inch apart in borders, beds or in clumps in the lawn, setting two or three inches deep. They come up from year to year and need not be disturbed until they become crowded.

Snowdrop Elwesi—(Giant Snowdrop), single.
Two for 5c; doz., 25c; 100, $1.25

Snowdrop—Double.
Each, 3c; doz., 30c; 100, $2.00

Allium

Neapolitanum—An excellent variety for winter flowering, extensively forced by florists for cut flowers. Its flower stems are 20 inches high, supporting a large cluster of delicate white starry flowers; sure to bloom splendidly in any window.

Neapolitanum Each, 3c; doz., 25c; 100, $1.00
Mixed colors Each, 3c; doz., 20c; 100, 85c

Chionodoxa

They produce flower spikes bearing lovely Scilla-like flowers. They are perfectly hardy, and may be planted as an edging to a bed, or in masses; they flower with the Snowdrops and last a long time in perfection.

Lucilliae—Bright blue with large, clear white center.
Each, 3c; doz., 30c; 100, $2.00

Fritillaria Imperialis (Crown Imperials.)

A stately, showy, early blooming plant, bearing large bell-shaped flowers of various shades of red and yellow, should be planted in deep, well enriched soil and not disturbed for years. The Crown Imperial is a very attractive garden flower. **Fine Mixed, Each, 15, doz., $1.50**

Leucojum (Snow Flake.)

Pretty bulbous plants allied to the Snowdrop, but of much stronger and bolder habit, growing from one to two feet high, in rich soil, and producing freely, beautiful large white flowers distinctly tipped with green, excellent for cutting. When once planted they take care of themselves, and should have a place in all hardy collections; can also be grown in pots.
Leucojum Vernum (Spring Snowflake). **Each, 4c; doz., 35c; 100, $2.00**

Trillium—Native Wood Lily

Beautiful and satisfactory flower for hardy border, in shady, moist situation, flowering early in the spring.

Grandiflorum.—White; choice bulbs,
Each, 10c; doz., $1.00.

Solomon's Seal—Smilacena Racemosa

Our native wild flower; exceedingly ornamental, both in foliage and bloom. Grows about 3 feet high and bears pendant creamy white flowers in May and June. Prefers shady situation.
Each, 25c; doz., $2.50.

MISCELLANEOUS SPRING FLOWERING BULBS—Continued.

Sparaxis

A beautiful class of bulbs allied to the Ixias, and requiring the same treatment, producing spikes of flowers of the most exquisite and brilliant flowers.

Very fine mixed Each, 3c; doz., 25c; 100, $1.25

Scillas

Siberica—This is one of the prettiest of early spring blooming bulbs, of dwarf habit, with sprays of exquisite rich blue flowers. Grown in masses in conjunction with Crocus, Chionodoxas and Snowdrops, the effect is charming; fine for forcing.

Each, 3c; doz., 25c; 100, $1.50

Campanulata—A beautiful spring flowering bulb, producing, before the leaves appear, spikes of bell-shaped flowers in blue, white and pink.

White, blue, or pink.

Each, 4c; doz., 35c; 100, $2.00

Scilla Nutans—Alba Major—Blush Queen—Major, Blue. **Doz., 25c; 100, $1.50**

Triteleia Uniflora

Spring Star Flower—A pretty little bulbous plant for either pot culture or the open border, bearing fragrant star-shaped flowers of a delicate blue-white color.

Each, 3c; doz., 20c; 100, $1.50

Ranunculus

Among dwarf flowers these are unrivaled for lovely form and bright attractive colors, ranging through gorgeous shades of white, crimson, yellow, purple and black, many of them being beautifully marked with other shades. They flower profusely in pots in the house during the winter.

Turban, Mixed—Paeony-formed flowers, large and early, vivid colors and compactly double.

Each, 3c; doz., 25c; 100, $1.50

Giant French, Mixed—Immense and gorgeous, loosely formed double flowers.

Each, 3c; doz., 25c; 100, $1.00

Persian, Mixed—Rose-shaped flowers, very double and rich. **Each, 3c; doz., 25c; 100, $1.00**

Erythronium (Dogstooth Violet)

Dens Canis Grandiflora, Mixed.

Fine hardy plants with charmingly variegated foliage, bearing lily-like blossoms of different colors; prefer moist situation with partial shade; grow well in pots for winter blooming. Each, 5c; doz., 40c; 100, $2.50

Eranthis Hyemalis

Winter Aconite—The first flower of the year, often coming before the snow is gone, covering the ground with gilt spangles of flowers as early as February; succeeds in any soil or situation; remains in flower for weeks.

Each, 5c; doz., 25c; 100, $1.50

Sparaxis

Ixias

The Ixia is a beautiful little flowering bulb, with low, slender, graceful spikes of bloom. The colors are rich, varied and beautiful. Culture same as Hyacinths.

Named Varieties, Mixed. Each, 4c; doz., 40c; 100, $1.50

Fine Mixed Each, 3c; doz., 25c; 100, $1.25

Muscari Botryoides

Grape Hyacinths—Very pretty early spring blooming bulbous plants, succeeding well in almost any soil or situation. White, blue, light blue. Each, 3c; doz., 25c; 100, $1.00

"Heavenly Blue"—New Grape Hyacinth of distinctive type and rare coloring, delightfully fragrant, extra large, fine as a cut flower or for massing in border.

Each, 4c; per doz., 30c; per 100, $2.00

Muscari Plumosus

Feathered Hyacinths—An odd and interesting variety bearing spikes of beautiful purple flowers; hardy everywhere.

Each, 3c; doz., 25c; 100, $1.00

PAEONY DAHLIAS are best for garden effects. They also have long stems and keep well when cut. **SEE PAGE 33.**

Paeonies

Double Herbaceous

THE development and increase in popularity of the Peony has been unparalleled among flowers, and the profusion and duration of bloom, combined with handsome, massive foliage, accommodating habit, and easy culture, render them one of the most popular hardy plants grown for lawn and garden decoration.

Paeonies are always free from disease and insects do not bother them. They are hardy, thrifty growers, bloom freely, and nothing will add more to the beauty and attractiveness of the lawn.

Hardy Phlox

One of the most beautiful and satisfactory perennials. We offer a superb collection.

SEE PAGE 26.

FESTIVA MAXIMA.—This superb variety is easily the most popular and valuable Paeony. Its flowers, of rare beauty and great size, are perfectly double, pure white, tipped or flaked with a small crimson spot at center; petals fine as summer silk; finest white in cultivation; strong roots. **Each, 75c; large specimen plants, $2.00.**

DELICATISSIMA.—Light rosy apricot, sometimes margined carmine red. **Each, 40c.**

COURONNE D'OR—A superb white flower of immense size, reflects yellow, center petals bordered carmine, a perfect flower of great beauty, very fragrant, free blooming and vigorous; late. **Each, 75c.**

MAD. BREON—A beautiful variety with good growing qualities; flowers outside flesh, center lemon, occasionally carmine tipped when first open; entire flower gradually changing to pure white. **Each, 60c.**

DELACHEI—Large full flower of a deep rich crimson, purplish tone; a free blooming thrifty grower, very fragrant; medium to late. **Each, 35c.**

OFFICINALIS RUBRA—Flowers of a bright scarlet crimson; quite double and globular; very early, rare and fine. **Each, 30c.**

OFFICINALIS ALBA—Blooms with Officinalis Rubra; flowers large and handsome. When Alba first opens it is light pink, fading to white as flowers get older. **Each, 30c.**

OFFICINALIS ROSEA—Beautiful bright pink globular flowers, blooms with Officinalis Alba and Rubra. These splendid early bloomers produce fine flowers for Decoration Day. **Each, 30c.**

MAD. DE VERNEVILLE—Broad outside petals, sulphur white, with center rosy white, sometimes edged carmine, and beautifully imbricated; an exceptionally fine full flower, with the sweet fragrance of the rose. One of the earliest. **Each, 50c.**

POTTSI-ROSEA.—Rich deep rose, lighter center. **Each, 40c.**

FRAGRANS.—Late; color deep rose; fragrant and a very prolific bloomer; tall grower. **Each, 40c.**

QUEENS PERFECTION.—One of the finest of the creamy flesh whites, large, full and attractive. **Each, 40c.**

Paeony Moutan

(Tree Paeony)

Grows about four feet high, forming a small tree-shaped shrub. When this plant becomes well established and is covered with dozens of massive blooms it presents a magnificent display. We have **Crimson, Pink, Scarlet, Rose and Variegated.**

STRONG IMPORTED ROOTS, from January to May, by express at buyer's expense (too heavy to mail.) **Each, 75c.**

DIAMOND LAWN GRASS MIXTURE—Makes an Evergreen, Velvety Turf
Write for prices in large lots.

IRIS

MAGNIFICENT plants for the garden. They bloom profusely and are exceedingly showy and fragrant. The colors are brilliant and cover a wide range of different shades and combinations. In the open ground they are perfectly hardy, increase rapidly and make a magnificent display either in clumps or in borders. They do best in rich, moist soils. If the soil is light, depress the beds a little below their surroundings; this helps to collect and hold the moisture. Plant in the fall or early spring.

Spanish Iris

Spanish Iris is the most useful and satisfactory Iris to grow, requiring no unusual condition or treatment to insure success, grows to perfection in any good garden soil. They are vigorous and hardy, early and free-blooming, keeping well when cut; can also be forced easily, being great favorites with florists.

Spanish Iris comes in the most delicate and beautiful shades and colors from white through dainty blues to lavender, dark blue pure rich yellow, etc. Bulbs are inexpensive and we urge you to plant freely.

Blooms in early June two weeks before the English variety. The varieties listed are best of their colors.

BLANCHE FLEUR—A grand white flower of great substance. The best white for forcing or outdoor culture.

CAJANUS—A magnificent tall golden yellow, free-blooming, good keeper; best yellow Iris in cultivation, either to force or to grow outside.

COUNT OF NASSAU—The finest dark blue Iris. Has an agreeable honeysuckle perfume.

KLONDYKE.—Rich deep yellow; very early and extra fine.

LOUISE—A beautiful shade of light blue, large, splendid flower.

SULPHUR BEAUTY.—A splendid new light yellow of great merit.

DARIUS—A pleasing light blue—earliest of all.

FINEST NAMED VARIETIES.
Each, 3c; doz., 30c; 100, $2.00

MIXED, SELECT, ALL COLORS.
Each, 3c; doz., 20c; 100, $1.50

German Iris

German Iris is one of the best of the early spring flowers, is hardy everywhere, and if planted in a moist situation or watered freely, will produce magnificent orchid-like blooms of great size and delightful fragrance. Comes in charming color effects in **blues, browns, yellows, purples, white.**

PALLIDA DALMATICA—Extra large, lovely true lavender, delightful fragrance, free flowering, fine for massing or as a cut flower.

FLORENTINE ALBA—White.

CELESTE—Satiny blue.

SPECTABILIS—Violet purple.

SHAKESPEARE—Bronze violet.

MARS—Light yellow and cream.

CHOICE ROOTS Each, 15c; doz., $1.50; 100. $10.00.

English Iris (Iris Anglica)

English Iris comes in a marvelous range of colors and variegations, is extremely hardy, growing 18 inches to 28 inches high, coming into bloom just before the Japanese Iris. Like all Iris a moist situation is preferred, but any good soil will grow them splendidly. Plant three to four inches apart. English Iris is one of the best for naturalizing.

MOUNT BLANC—Largest and finest. Pure white.
Each, 6c; doz., 60c; 100, $4.00.

MIXED. **Each, 3c; doz., 30c; 100, $2.00.**

JAPANESE IRIS will thrive in any good soil, but prefers a moist situation

Japanese Iris (Iris Kaempferi)

Japan Iris is the largest and most wonderful of the Iris family, no flower of any kind surpassing its rare beauty of form, brilliancy and variety of coloring, ranging from snow white through maroon, violet, and deep blue; striped, variegated, veined and blended in the greatest profusion, producing effects that are truly marvelous and indescribable. Blossoms early summer. Japan Iris succeeds best in moist location, but will thrive in any good garden soil. Plant three inches deep, about 4 inches apart; divide the clumps every two years. Fertilize established beds while dormant using stable manure, but do not apply after growth starts. There are hundreds of varieties, from which we have selected the following:

GEKKA-NO-NAMI—Dense pure white, yellow blotches.

HO-O-JO—Ruby crimson, primrose blotches, surrounded with white halo.

HANA-NO-NISHIKI—Brilliant claret red, penciled white, purple orange blotches.

SOFU-NO-KOI—White splashed, blotched and speckled sky-blue, primrose blotches.

SHIMOYO-NO-TSUKI—White, yellow blotches at base of petals; 6 large petals.

UJI-NO-HOTARU—Purple overlaid with sky-blue, orange blotches, 3 petals.

YEZO-NISHIKI—Deep rich crimson, mottled and blotched white, 3 standards same color.

YOMO-NO-UMI—Lavender blue; distinct and beautiful; 6 petals.

KUMA-FUNJIN—Purple overlaid with navy blue, 2 standards, very large orange blotches.

KUMOMA-NO-SORA—White, with a strongly marked sky-blue zone and mottled in the same shade.

KUMO-ISHO—Purple, margined gray, yellow blotches, surrounded with velvety crimson.

KUMO-NO-OBI—Dark lavender purple, large handsome flower, 3 petals.

NAMED VARIETIES.
Each, 20c; doz., $2.00; 100, $15.00.

MIXED, GOOD ASSORTMENT.
Each 15c; doz., $1.50; 100, $10.00.

WE offer a splendid list of Ferns, including some of the newest varieties as well as the older sorts. All plants are in fine growing condition, and well rooted. Florists wishing stock of the new varieties write for prices.

Nephrolepis or Boston Ferns

N. AMERPOHLII.— This charming "Lace Fern" is so finely "crested" as to have a fluffy lace-like appearance, and is the most beautiful and attractive "sport" from the Boston Fern; an ideal plant for house or table decoration.
Price from 4-in. pots, 60c.

BOSTON FERN.— This is the original and well known type of "Sword Fern."
Nice plants, each, 20c; large plants, each, 35c to 50c; specimen plants, $1.50 to $3.00.

N. ROOSEVELT.—Resembles Boston Fern, produces many more fronds, making a bushier and handsomer plant; **Price, small plants, 25c; from 4-inch pots, 60c; 5 inch, $1.25, postpaid.**

SCOTT FERN.—(*Nephrolepis Scottii*)—Identical with the original Boston type, but is dwarfed with a more compact and bushy habit of growth.
Price, from 4-inch pots, 60c, postpaid.

OSTRICH PLUME FERN.—(*Nephrolepis Whitmani*). One of the most wonderful and beautiful introductions of the present age; this new sort is a sport from the well known Boston Fern; has a beautiful feathery appearance, and is one of the grandest of decorative house plants.
Nice plants, 20c to 35c each; specimen plants, $2.50 to $3.00.

New and Popular Ferns

ASPARAGUS PLUMOSUS.—(Climbing Lace Fern). A finer and more delicate plant than the Sprengerii, but hardy and easily grown; the fronds retain their freshness for weeks when cut; fine for floral decorations.
Nice plants, each, 15c; large plants, 25c to 50c.

ASPARAGUS SPRENGERII.—(Emerald Feather) Handsome and valuable evergreen trailing plant for the house or conservatory; its beautiful sprays of lovely green, feathery foliage can be cut freely.
Nice plants, each, 15c; large plants, 35c to 50c.

BIRDS NEST.—(*Asplenium Nidus Avis*). A rare and beatiful fern with broad outer leaves; center curiously formed like a nest; color is deep green; an attractive pot plant for exhibition.
Specimens from 4-inch pots, $1.50, postpaid.

FOR FERN DISHES.— Attractive assortments, sufficient for 5 to 6 inch pans.
75c to $1.00, postpaid.

MAIDEN HAIR.—(*Adiantum Croweanum*). This is the hardy Maiden Hair Fern so valuable to florists for cutting, grows freely under almost any condition inside; it is a sure grower.
Good plants from 4-inch pots, $1.00 postpaid.

CYRTOMIUM ROCHFORDIANUM.—Foliage of a rich deep glossy green color; the leaflets besides being wavy, are also deeply cut or toothed; valuable for a dish fern and for decorative work.
Prices: Small plants, 25c; from 4-inch pots, 60c, postpaid.

Japanese Fern Balls

DIRECTIONS FOR STARTING.— Place ball in water for 15 minutes, and then suspend in any desired position, or place in a shallow dish; repeat every two days until growth is started, after which sprinkle occasionally as required. They need very little sun.
Price of Balls in dormant state, large size, each, 75c; small, 50c.

SPECIAL—Six Fine Table Ferns for $1.00

Price 20c each; 6 sorts for $1.00. Extra large plants, 40c each.

ADIANTUM CUNEATUM.— Maiden Hair Fern. A very beautiful and graceful fern.

ASPIDIUM TAUSSIMENSE.— Without question the most valuable of all ferns yet introduced for fern dishes; of strong but dwarf and graceful habit.

BOSTON FERN.— See description above.

CRYTOMIUM FALCATUM.—(The Holly leaved fern). One of the most desirable; with hardy, dark green foliage.

PTERIS CRETICA ALBO-LINEATA.—A pretty and useful variegated variety, distinctly showing the clear white variegation.

OSTRICH PLUME.— See description above.

HARDY FERNS—For Shady Borders and Rock Work

PRICES: Nice plants, 25c and 50c each. Trial Collection, $1.25, postpaid.

EVERGREEN WOODFERN.—(Dryopteris Marginalis)—Marginal shield fern; most valuable of the hardy evergreen ferns for garden.

QUEEN OF LADY FERNS.—(Asplenium Victoriae)—A vigorous rapid grower; one of the best of the "Lady Ferns."

NATIVE OREGON SWORD FERN.—Makes imposing specimens in borders or in tubs. Prefers partial shade.

HARTS TONGUE.—(Scolopendrium vulgare)—Easy of cultivation; very distinct and attractive.

FIVE FINGERED LADY FERN.—(Adiantum Pedatum)—Most graceful and beautiful hardy maiden hair fern.

POLYSTICHUM VIVI QUARA.—A rare and wonderful fern of great beauty, the long, graceful fronds having a fine mossy coat, from which miniature ferns, exact counterparts of the parent plant, spring in great profusion, and after getting well started can be removed and potted.

Palms and Ornamental Plants

PALMS lend to their surroundings an atmosphere of elegance and completeness, and with proper care will thrive in any home, making the most magnificent and useful decorative plants.

CARE OF PALMS.— Good garden loam, with a little sharp sand, is the best soil for palms, and good drainage is of first importance — do not keep a palm too wet. If you set the pot in a jardiniere put something under the pot to let the water drain through. Never let the water stand around the bottom of the pot. Water thoroughly, but let it drain off, then when the soil begins to look dry give another good wetting. It is important to keep the soil of any pot plant moist — clear through — but not wet like mud One other important point: Soil must have light; palms and some plants would do well without strong light, but the soil would soon sour and fail to nourish them, therefore, when not actually in use keep them as near the windows as possible, but not in the hot sun.

Bone meal is the best fertilizer; a tablespoonful to a 7-inch pot is a good portion. Dig well into the soil. Apply when new growth shows. Do not repot as long as they are doing nicely. And when you do, transfer gently to the larger pot and fill the soil around the roots, disturbing them as little as possible. Palms do best in comparatively small pots. Shower them with water twice a week and should they show signs of scale, wash with strong soap and water or kerosene emulsion (a pound of soap melted with a half pint of kerosene thoroughly stirred into it) Dilute this with ten parts of water and apply with a cloth or brush.

Choice Palms for Table and House Decoration.

PHOENIX ROEBELENII.—A new and graceful miniature "Phoenix" fully equaling in beauty the Cocos Weddeliana, hardy as the Kentia. Of vigorous, bushy growth. **Price, choice plants from 4-inch pots, 60c to $1.00.**

KENTIA BELMOREANA.—A beautiful, strong growing Palm with deep green, crisp foliage; inclined to dwarf and spreading habit; one of the most popular for house culture, as they are very hardy. **Small plants, 50c to 75c. Large plants, 18 inches up, $1.50 to $5.00 and up.**

RHAPIS HUMILIS — Rare ornamental Palm with slender, graceful leaves; very handsome and attractive; an excellent decorative variety, requiring very little sun. **Each, $1.50 to $5.00 up.**

CHAMAEROPS EXCELSA (See cut No. 3) — Leaves fan shaped, deeply cut; one of the hardiest Palms we have and worthy of extensive culture; very handsome palmate leaves. **Choice plants, 18 inches and up, each, $1.50 to $3.00.**

CYCAS REVOLUTA, SAGO PALM (See cut No. 1).—Valuable for lawn and house decorations; they have a thick trunk, and their heavy, glossy, deep green pinnate leaves resist alike the gas, dust and cold to which decorative plants are frequently exposed; fine plants, 18 inches and up. **Each, $2.00 to $5.00 and up.**

LIVISTONIA CHINENSIS (See cut No. 4)—A useful Palm for decorative work, for apartments or conservatories; leaves large, fan shaped, of a rich dark green color; graceful and quick growers, 12 to 18 inches. **Each, 75c to $1.00.**

CHAMAEROPS FORTUNEI—(See cut No. 2.)—A handsome Palm, similar to the above, more dwarf in growth and with smaller leaves. Choice plants, 18 inches up, **Each, $1.50 to $3.00.**

COCOS WEDDELIANA — The most graceful of all Palms; finely cut foliage of rich deep green; we have fine plants of this most desirable Palm. well established in 4-inch pots, 5 to 7 leaves. **Each, $1.00. Nice specimen plants, $2.50 up.**

DRACAENAS

D. INDIVISA — This is the popular hardy Dracaena that is used so extensively for centers of vases, baskets, boxes, etc.. Of graceful form. and stands full exposure to sun. **4-inch pots 35c; 5-inch pots, each, $1.00.**

D. GRACILIS.—Graceful foliage; plant having a red stripe on slender green leaf; smaller grower than D. Indivisa. **Each, 50c to $1.00.**

PANDANUS VEITCHII

Graceful foliage plant; broadly striped cream on green ground; one of the finest decorative house plants. **Each, $1.00 and $1.50.**

ASPIDISTRA.

Ornamental foliage, plant throwing up shoots which unfold, developing into long, graceful leaves; color a beautiful dark glossy green; give same treatment as hardy palm.

VARIEGATED.—Rich, creamy markings, **$1.50 up.**

UMBRELLA PLANT

CYPERUS, (Alternifolia) — A splendid house plant of easy culture; resembles a palm; requires little or no attention, and remains green throughout the year. Keep well watered. **Small plants, postpaid, each, 15c to 25c. Large plants, by express, each, 35c to $1.00.**

ARAUCARIA EXCELSA

(Norfolk Pine.) This beautiful plant resembles the pine somewhat in appearance, though much finer in texture; does not require much sun, are hardy and easily cared for. **Choice plants, 14 to 20 inches high, each, $2.00 to $4.00.**

RUBBER PLANT.

FICUS ELASTICA.—This is certainly one of the best plants grown for decorative purposes; it succeeds well with ordinary treatment.

Large plants, each, $1.00 to $1.50 up.

"DIAMOND PLANT FOOD" for Palms and Pot Plants. ½ lb. Pkg. 15c; 1 lb. 25c. Postage extra.

GLADIOLI

THE newer types are of immense size and exquisite coloring; their grace and attractiveness, ease of cultivation and freedom of bloom are making them universal favorites. They come at a season when there are few other flowers and everyone should grow them.

CULTURE.— Gladioli may be planted as early as the ground can be worked or as late as June. A sunny situation is preferred. Plant to a depth of 3 to 6 inches, depending on the size of the bulb. Largest bulbs are not always best, as some varieties do not produce large bulbs. Any garden soil will give satisfactory results, but if well enriched, cultivated and freely watered when buds first show, Gladioli will amply repay you for this additional care. If cut when the first bud opens and put in water, the flowers will open perfectly, keep for many days, and the coloring is richer, and more delicate than if left to open on the plant.

EUROPA.—Snow white without a trace of color or shading, the most sensational flower of its class ever produced. Special awards at every European show where exhibited. A grand flower of great beauty and substance.
Price, 60c.

NIAGARA.—A grand new Gladiolus of the "America" type, the color being a lovely deep cream, shading to a canary yellow on the two lower inside petals. The giant flowers measure four and a half inches across and are carried on a large, erect spike. They open freely and contrast beautifully with the broad, dark green foliage. "Niagara" won certificates of merit from the Massachusetts Horticultural Society, Boston, and the Dutch Bulb Society of Haarlem, Holland. Also won the open class award of the American Gladiolus Society for the best yellow.
Each, 30c; per doz., $3.00.

10 Beautiful New Gladioli

SPECIAL.— Entire Collection, 10 Bulbs, $1.50, postpaid.

"GLORY"—Color a delicate cream pink tint with an attractive crimson stripe in the center of each lower petal. Flowers large, paired and faced the same way, borne on strong stalks, 3 ½ feet high, from 4 to 8 flowers open at the same time, petals are exquisitely ruffled and fluted, giving the flower a refined, graceful appearance.
Price, each, 15c; doz., $1.50.

AMERICA—Exquisite shade of flesh pink tinted lavender. A grand giant flower, hardy and free blooming. **Each 10c; doz., 75c; 100, $4.00**

CONTRAST—Intense scarlet with pure white center; one of the grandest, most attractive new flowers. **Price, each, 35c; doz., $3.75**

PRINCEPS—Giant flowers of richest, most brilliant crimson, with fine white blotch on lower petal; the most striking and beautiful of the newer Gladioli; a great favorite with florists.
Price, each, 15c; doz., $1.50

WILD ROSE—Bright rose or blush tint, of rare beauty; large, free-flowering; forces well.
Price, each, 20c; doz., $1.75

BARON HULOT—The only true blue Gladioli; a dark indigo shade; very popular.
Price, each, 10c; doz., $1.00

BLANCHE—A splendid large white flower with but faint markings. One of the best.
Price, each, 25c; doz., $2.50

HARLEQUIN—White-striped and suffused with rich dark crimson.
Price, each, 20c; doz., $2.50

CANARY BIRD—A pleasing bright yellow.
Price, each, 10c; doz., $1.00

MRS. FRANCES KING—A pleasing light scarlet; fine for forcing. **Each, 10c; doz., 70c; 100, $4.00**

Select Named Gladioli

SPECIAL.— Collection of 8 Varieties, 70c, postpaid.

MAY—Lovely pure white flowers of finest form, with edges flaked crimson.
Price, each, 10c; doz., $1.00

MME. MONERET—Grand spikes of large delicate rose flowers, with deeper shadings; A fine cut flower. **Price, each, 10c; doz., $1.00**

AUGUSTA—Lovely pure white; blue anthers.
Price, each, 10c; doz., $1.00

ATTRACTION—Deep crimson, white center.
Price, each, 10c; doz., $1.00

I. S. HENDRICKSON—Large, beautiful flowers mottled, white and pink; variable.
Price, each, 15c; doz., $1.50

BRENCHLEYENSIS—Rich vermilion, shading to scarlet. **Price, each, 7c; doz., 60c.**

KLONDYKE—Light yellow, crimson maroon blotch. **Price, each, 10c; doz., 75c**

SUPERB—Enormous pink, flaked and striped salmon. **Price, each, 10c; doz., $1.00**

Mixed Gladioli

DIAMOND MIXTURE—Select named varieties with choicest Childsi Hybrids.
Doz., 75c; 100, $5.00

GLADIOLI CHILDSI—Of grand size and color, very showy, containing a large per cent of red and dark shades. **Doz., 60c; 100, $4.00**

GLADIOLI, FINE MIXED—This mixture will produce a large variety of fine flowers unequalled for the price. **Doz., 35c; 100, $2.50**

GLADIOLI, GROFF'S HYBRIDS—A mixture of Hybrids of all sorts, giving in one bed the greatest range of colors and variations.
Doz., 50c; 100, $4.00

GLADIOLI LEMOINEI—Mostly light shades, odd and fantastic markings. Brilliant and showy.
Doz., 50c; 100, $3.00

CANNAS

WE are extensive growers of Cannas, and the following sorts are newer and better types that will give best results in our climate. Cannas require a rich, moist soil and should not be planted until all danger of frost is past. They are quick growers and the new flowering sorts bloom continuously until frost. Inexpensive, these charming ornamental plants produce rich tropical effects that cannot be excelled, and the grand new varieties offered are equally valuable for the beauty of their bloom. Let us know your requirements. We can supply the correct variety.

☞ **Prices, except where noted: Bulbs or plants in season, each, 20c; dozen, $2.00, postpaid.**

ALICE ROOSEVELT—Deep crimson, compact green foliage; similar and superior to Alphonse Bouvier. Height 4 to 5 feet.

KING HUMBERT—In this grand new orchid-flowered Italian Canna we have a combination of the highest type of flower with the finest bronze foliage. Its mammoth flowers, in heavy trusses, are a brilliant orange-scarlet, with bright red markings, foliage is broad and massive and of a rich coppery bronze with brownish green markings; bold and effective; has no equal; 5 to 6 feet.

MT. BLANC—A compact vigorous grower, producing a massive spike of large, pure white flowers carried well above the glossy green foliage.

FEURMEER—A magnificent clear bright red, flowers and spikes of large size and freely produced; foliage deep green. Height, about 5 feet. One of the very finest reds.

STUTTGARTIA—The large flowers are a brilliant orange-scarlet with bright yellow band and markings. Flower spikes strong and erect above the foliage which is broad leaved, dark green and very luxuriant. Height, 4 to 5 feet.

MRS. ALFRED F. CONARD—Flowers are a superb salmon pink of large size borne very freely and continuously on large, erect spikes; very luxuriant green foliage; height about 4 feet.

KOROS.—Attractive shade of orange scarlet, streaked and dotted with carmine; bronze foliage; 4 to 4½ ft.

MME. CROZY.—Flowers rich orange scarlet edged with bright golden yellow; foliage green. 3½ ft.

MEPHISTO.—The darkest crimson yet introduced; foliage green. 3½ ft.

PROF. RODENWALDT.—Large deep crimson flowers of compact habit. 3 ft.

W. E. COTTRELL—Pink, suffused orange; foliage green, margined brown; 3½ feet; fine.
Price, each 25c; doz., $2.50.

LOUISIANA—A strong, vigorous grower, producing a dense mass of glossy green foliage and vivid orange-scarlet flowers of mammoth size; Orchid type; height 4 to 5 feet.

ROSEA GIGANTEA—Finest of the new pinks, the rich, deep rose-colored flowers often measuring five inches across are borne in the greatest profusion, nothing finer has ever been offered foliage green; 4 to 5 feet.

FLORENCE VAUGHAN—We offer a new seedling of this most famous canna that is a distinct improvement in growth, vigor and bloom; the color and markings are about the same only more brilliant and beautiful; a deep, bright yellow mottled and marked with bright red. Green foliage. Height, 4 to 5 feet.

NEW CHICAGO—A brilliant clear scarlet that holds its color; free-blooming and very vigorous full foliaged plant; a most desirable sort. Height 4 to 5 feet.

CARL LUTZ—New. A splendid bright rich yellow of finest form; foliage leathery and luxuriant. A fine, upright grower and profuse bloomer. Height, 3½ feet.

MRS. KARL KELSEY.—Immense orange scarlet flowers flaked and striped with yellow; petals wavy edged. Foliage green with narrow purple edge. 6 to 7 ft.

WYOMING.—Massive orange colored flowers of orchid shape with bronzy-purple foliage. 7 ft.

AUSTRIA.—Orchid flowering type. Flowers 6 to 7 inches across, of pure golden yellow; foliage green. 5 ft.

FIRST PRIZE for Best Exhibit has been awarded to our "Diamond Quality" DAHLIAS every time we have shown.—They represent the choicest, most improved varieties from the most Famous Producers, They are true to name and have proven their merits in the big European and American Shows, and in our own field trials.

☞ **THEY WILL WIN FOR YOU—See Page 30.**

Perennial Border and Bedding Plants

A select list of Border and Bedding plants, beautiful and useful varieties that are easily grown. Fine, large, well-rooted specimens that can be safely packed and promptly delivered in perfect condition. If you contemplate large plantings or special effects, let us know your plans and requirements. We can supply in any quantity for every requirement at lowest prices.

Perennial Phlox

HARDY as an oak, increasing in beauty each year, few things are as beautiful and satisfactory. The marvelous new colors, beautiful foliage and easy culture, make this choice flower one of the most desirable. We offer the following fine collection, which we have grown. **Price, each, 15c; doz., $1.50.**

R. P. STRUTHERS.— Tall, rosy carmine with claret-red eye; fine.

EUGENE DANZANVILLIER.— Tall, lilac, shading white towards the edges; large white center.

MRS. JENKINS.— Tall; the best tall early white for massing.

VESUVIUS.— Medium; one of the new seedlings; pure red with bright purple eye; a dazzling color.

SUNSHINE.— Dwarf; large, aniline-red with crimson-red eye and light halo.

GEO. A. STROHLEIN.— Medium bright scarlet with crimson red eye; does not bleach.

CARAN D'ACHE.— Medium; geranium-red with old rose shadings and white eye; very effective.

MME. PAUL DUTRIE.—Tall; a delicate lilac rose, reminding one of the beautiful soft pink Orchids.

ANTONIN MERCIE.— Medium; light ground color; upper half of each petal deeply suffused bluish-lilac, large white halo.

SELMA.— Tall; large flower; pale rose mauve with claret eye.

VON LASSBURG.— Medium; the purest white in cultivation; individual flowers larger than any other white.

CONSUL H. FROST.— Medium; pure red with bright French-purple eye.

COQUELICOT.— Fine flowering, scarlet, with crimson eye.

DIADEM.— Large flowering, pure white — dwarf

GOLIATH.— Truly a giant in growth; color, bright crimson carmine, deeper eye.

PHLOX DIVARICATA CANADENSIS.— Blooms early April, has large, beautiful lavender flowers; grows 10 inches high.

PHLOX SUBULATA—(Moss or Mt. Pink).— Early spring flowering, the foliage being covered with bloom; useful for carpet bedding, cemetery planting or rockeries.

Larkspur—Delphiniums

HARDY LARKSPUR.— One of the most beautiful and useful border plants; is a great favorite in the English gardens and their famous specialists have produced magnificent new varieties of rare beauty of form and exquisite coloring; vigorous, free-blooming and hardy. The following named varieties are among the best—and the hybrids are the selection of a famous specialist.

KING OF DELPHINIUMS. — Giant semi-double flowers, deep blue with white eye; a vigorous, free bloomer.

DELPHINIUM FORMOSUM.— Dark blue with white center.

BELLADONNA.— Clear, delicate turquoise, dainty and beautiful; a strong grower, always in flower.

DELPHINIUM KELWAYS HYBRIDS.— Assorted colors.

PRICES—NAMED VARIETIES—Fine Large 2-year Clumps. Each, 25c; per dozen, $2.50. HYBRIDS—Each, 20c; per dozen, $2.00.

☞For complete list of named Delphiniums see our 1915 Annual Catalogue.

Oriental Poppy

The most brilliant and georgeous of all garden plants; is hardy and succeeds well in any good garden soil, blooming in May and June, they are dormant thereafter until cool weather. We offer two rare and beautiful new sorts, besides the standard red type.

SALMON QUEEN.—Rich salmon pink with coppery orange suffusion; deepest purplish black center and markings. A rare and splendid flower of largest size; vigorous and free blooming.
Each, 25c; doz., $2.50.

MAHONY.— A magnificent flower of the darkest richest color yet known in a poppy, almost a true dark mahogany. Large, free-blooming; a splendid companion to Salmon Queen.
Each, 25c; doz., $2.50.

KELWAYS HYBRIDS—Among the handsomest of garden plants. **Each, 20c; per dozen. $2.00**

Popular Bedding Plants

During the months of April and May we have thousands of the following bedding plants, price per dozen by express at buyer's expense:

Alyssum	$0.30	English Daisies	$ .50	Lobelia	$0.30
Asters	.30	Forget-Me-Not	1.00	Marigold	.30
Carnations	.60	Geraniums	75c to 2.00	Mignonette	.50
Cosmos	.30	Heliotrope	.50	Petunia	.50
Phlox	$0.30				
Salvia	.50				
Stocks	.30				
Verbena	30				

For description of these flowers, see Flower Seed Department of our Annual Catalog.

A "CYCLE" LAWN MOWER Has a draw cut blade—runs close to the ground—is self sharpening —cannot be bent or warped out of alignment. Cuts All the Grass Right the First Time Over. See page 35.

Hardy Perennial Garden Plants--Continued

Once planted require but little care and bloom with increasing beauty each year. Plants marked 15c, are $1.50 doz.; 20c, $2.00 doz.; 25c, $2.50 doz., F. O. B. Portland

ALYSSUM SAXATILE COMPACTUM.— Bright yellow corymbs; showy Spring flowering plant, which also flowers in Autumn. **Each, 20c.**

ANEMONE JAPONICA.— Beautiful Fall blooming plants. Pink or white. **20c; 2 sorts, 35c.**

ANCHUSIA ITALICA.—Tall growing hardy plant, with pretty blue flowers in large racemes. **Each, 20c.**

AQUILEGIA HYBRIDA.—(Columbine). An old favorite for Spring and early Summer. Blue, violet, pink, chocolate. Fine for cut flowers. **Each, 15c.**

ARABIS ALPINA.—(Rock Cress) Low growing. fine for bordering. Covered in Spring with white blossoms. **Each, 15c; per dozen, $1.50.**

ARTICHOKE.—Ornamental garden plant, bearing edible buds that develop into giant thistle-like blooms. **Each, 15c; doz., $1.50.**

CANTERBURY BELLS.— Pink, white, blue, large clumps. **Each, 20c; doz., $2.00.**

CAMPANULA—New Double White.— A dainty and beautiful flower, 2 to 2½ feet high, bearing spikes of large snow white, prettily formed, fully double blossoms. Pinch off the old flowers and the plant will bloom continuously. One of the best border or bedding plants ever offered. **Each, 25c.**

COREOPSIS.—(Golden Sunbeams). Beautiful golden-yellow flowers on long stems; always in bloom; fine for cutting. **Each, 15c.**

DORONICUM.— Early Spring flowering Marguerite-like yellow flowers. Fine border plant. **Each, 20c.**

ENGLISH PRIMROSE.— Finest sorts, from pure yellow to deepest crimson-maroon; early, low-growing, fragrant. **Each, 20c.**

GAILLARDIA GRANDIFLORA.—Splendid large flowers; combination coloring of yellow, brown, crimson, orange; height, 2 feet; bloom until frost; fine for cut flowers; hardy everywhere. **Each, 20c.**

GEUM.—(Attrocinium) A splendid bed or border plant—erect habit — 18 to 24 inches — bearing freely, dainty little double red flowers. **Each, 20c.**

GYPSOPHILIA PANICULATA.— Single and double; thrives during driest weather; elegant rock plants and very useful for cut flowers. **Each, 20c.**

HARDY ASTERS.— Among the showiest of late flowering plants, blooming when most other flowers are past. **Each, 15c.**

HELIANTHUS SPARSIFOLIA.—Superb new single sunflower of striking beauty; blooms late in the season. A real gem among hardy plants. We especially urge you to give this a trial. **Each, 20c.**

HOLLYHOCKS.—Hollyhocks require good soil, prepared by deep digging and working in well rotted manure; water during dry weather.

New Double and Single.—Red, yellow, pink, and white. **Each, 15c; 4 for 50c; large clumps, each, 25c; dozen, $2.00.**

MARGUERITE MRS. F. SANDERS—**(Annual)**. Valuable for conservatory or window garden in late winter or spring; excellent bedding plant during summer months; color, pure glistening White, the full fluffy flowers frequently measuring 5 inches across. **Each, 15c; per doz., $1.50**

PLUMBAGO LAIPENTEA.— Fine edging plant growing four inches high and covered all Summer with sky blue flowers. **Each, 15c; per doz. $1.50.**

RUDBECKIA, Golden Glow.— Bears in greatest profusion immense, double blooms, large as Dahlias, of the brightest, golden yellow; hardy everywhere. **Each, 15c.**

RUDBECKIA NEWMANI.—(Black-eyed Susan). Golden yellow ray petals around a dark center. Fine cut flowers. **Each, 15c.**

SHASTA DAISY.—(Alaska). This new "Shasta" is covered with immense, fluffy white blooms, with golden eyes, from July until late Fall; long stems; fine for cutting; one of our best hardy border plants. **Each, 20c.**

SWEET WILLIAM.— Old favorites for beds and borders. Brilliant and pleasing colors. **Each, 15c.**

VERONICA PROSTRATA.—(Rock Cress). Splendid for rock gardens and edges of borders; color deep blue. Blooms May to August. **Each, 15c.**

WALLFLOWER.—(Dark and Light; single and double; mixed), good subjects for rock garden and Spring bedding. **Each, 20c.**

Sweet Violets

Price each, 15c; 6 sorts, 75c. Postpaid.

ALASKA.—A grand sort, well adapted to garden culture, enormous double flowers of a deep blue-black color and powerful fragrance.

LADY HUME CAMPBELL.—Large double flowers of a beautiful light blue color; very free-blooming and exquisitely fragrant.

CALIFORNIA.—Very showy and beautiful flowers of enormous size, deep violet blue; deliciously fragrant; single.

PRINCESS OF WALES.—Flowers single, of gigantic size; color a very rich shade of blue, and extremely fragrant.

MARIE LOUISE.—A constant bloomer, producing great quantities of large, double flowers, lovely deep violet purple.

SWANLEY WHITE.—The finest and best double white violet in cultivation.

Flavoring and Medicinal Herbs

CHIVE.—Has mild onion flavor, grows in grass-like clumps; much used for flavoring **Each, 15c; doz., $1.50**

LAVENDER.—By distillation produces the well-known Lavender water, the flowers for perfuming wardrobes, etc. **Each, 25c; doz., $2.50**

ROSEMARY.—Infusions of the leaves are used in medicinal beverages. Produces an aromatic oil. **Each, 25c; doz., $2.50**

THYME.—Broad leaved, used in soup, stuffing and sauce. **Each, 25c; doz., $2.50**

SWEET MARJORAM.—The sweet aromatic leaves are used in either the green or dry state. **Each, 20c; doz., $2.00**

SAGE.—The leaves and tender tops are used in stuffings and sauce; also in the beverage known as Sage tea. **Each, 15c; doz., $1.50**

GERANIUMS

Standard varieties for bedding--large plants $1.00 to $3.00 per Doz.

FOR winter flowers inside nothing is more satisfactory than Geraniums. They are of the easiest culture, requiring to be kept cool and given plenty of air, with an occasional sprinkling of the foliage to clean and freshen it. Keep the roots moist, not too wet, and have good drainage in the pots. No other flower can take their place as a bed or border plant, and inside they grow beautifully throughout the year, making cheery house plants.

Our low prices place these choice new varieties within reach of everyone.

Choice New Single Geraniums

Price, 15c each; set of 8 sorts, $1.00; Postpaid, $1.15.

ADMIRATION.— Gorgeous flowers of a bright shrimp pink, shading to white center. Immense trusses of beautifully formed flowers.

EMANUEL ARENE. — Rich, dark velvety crimson maculated orange red; immense trusses, very strong grower.

MRS. BROWN POTTER.— The most beautiful clear pink variety that we know of. Fine free grower and continuous bloomer.

JULIA MARLOWE.— Large, round flowered variety of the greatest merit. Color rich, bright scarlet of velvety texture. Broad, overlapping petals, forming very large, round florets in immense trusses.

NUIT POITEVINE.— Trusses and florets of grand size; rich, rosy violet; the upper petals feathered with scarlet at their base. Very distinct and much admired.

VICTOR GROSSETT. — Rich apricot bordered on vermilion; profuse bloomer and excellent habit. A splendid bedding sort.

BARBARA HOPE.—Very large round florets in immense trusses. Color rich salmon shades to apricot; very distinct.

ALBION.—Beautiful free flowering white variety, as pure as driven snow. Always in bloom.

12 Fine Geraniums for Pots and Bedding

SIX FINE SINGLE GERANIUMS—

Each, 10c; postpaid, 15c; set of 6, postpaid, 75c.

METEOR.—A continual bloomer of a brilliant crimson red flower; dwarf compact habit of growth; very highly recommended and we predict for it a great future.

HALL CAINE.—Brilliant orange scarlet, suffused rose; a unique and charming self color; flower of giant size; grows well, is free blooming and desirable either as bedding or pot plants; one of the finest Geraniums ever grown.

GERTRUDE PEARSON.—Flowers bright pink, upper petals shaded to white.

MRS. E. G. HILL.—Very large trusses of single florets; color clear salmon, with a white center.

MRS. J. M. GARR.—Trusses large and of perfect form; color pure snowy white.

PAUL CRAMPEL.—A fine deep vermilion scarlet.

SIX FINE DOUBLE GERANIUMS—

Each, 10c; postpaid, 15c; set of 6, postpaid, 75c.

BEAUTE POITEVINE.—Very large, semi-double flowers of a brilliant salmon color. One of our best sorts.

MME. RECAMIER.—Snow white; strong, vigorous grower; flowers abundantly produced in large trusses.

MAUNA LOA.—Beautiful and attractive shade of russet-orange; splendid, slightly zoned foliage and fine habit of growth. A talking variety.

MAD. LANDRY.—Large and borne in enormous trusses; a brilliant shade of apricot-salmon, shading to copper with white eye.

S. A. NUTT.—The best of the rich, dark crimson varieties; trusses massive.

FRANCIS PERKINS.—The finest pure pink variety we know of.

Pelargoniums—Lady Washington Geraniums

EASTER GREETING.— Beautiful new variety, remarkable for its free blooming proclivities, being equally as fine bedded out as it is grown as a pot plant. The flowers are of a fiery amaranth red each petal distinctly blotched maroon. A novelty of the greatest merit. **Each, 30c.**

MRS. LAYAL.— This is the popular pansy geranium covered with its small, rich colored flowers in chocolate, pink and white. **Each, 20c.**

We offer a splendid assortment of the popular **Lady Washington Geraniums**, large sizes for bedding. **$1.50 to $3.50 per doz.**

BEGONIAS—Tuberous Rooted

FROM their early first blooming until cut down by frost, Tuberous Begonias display a mass of bloom of most gorgeous and brilliant coloring. They are distinct and unique, in wonderful shades of yellow bronze, white, reds, pinks, with thick waxy petals and grand ornamental foliage, never failing to excite the wonder and admiration of all who see them.

CULTURE.— The soil should be rich in leaf mould, or well-rotted manure, a little sand being beneficial. Start the bulbs inside in the early Spring, and transplant when danger of frost is past. They should be lifted in the Fall before frost, dried and stored in sand in a cool place.

Single Frilled Begonias

Single Flowering

These are of immense size, free blooming and very lasting.

Price, each, 10c; doz., 85c; 100, $6.00

Double Flowering

Often as full and beautiful as a rose, some of the white varieties resembling giant carnations. Price, separate colors:

Each, 15c; doz., $1.50; 100, $10.00.

Frilled

Single frilled, having a heavy frill or fringe on the edges of the petals. **Each, 20c; doz., $2.00; 100, $15.00.**

OUR DIAMOND MIXTURE, containing all of above sorts.

Per doz., $1.50; 100, $10.00.

A good way to start Begonias and Gloxinias is to put the bulbs on a layer of moss in a box or flat, and cover with another layer. Keep moist, but not too wet; temperature about 70 degrees; this starts both top and roots; then pot for root development before transplanting outside.

Water Lilies

THESE beautiful and interesting plants can be easily grown in tubs made by cutting a barrel in half and setting one or both halves deep in the ground, to within a few inches of the top. Put in good loam soil, with one-third old manure, or better still is the soil from a swamp or lowland, using one-third of old, well-rotted manure; cover soil with a layer of sand one to two inches deep, allowing for a depth of six inches of water.

Water Lilies like a mild temperature, and still water, and will not succeed where a fountain is playing or where there is a strong or cold inflow.

NYMPHAE.— Hardy white.

Single roots 35c, postpaid.
Large roots, 75c to $1.50, prepaid.

NYMPHAE.— Hardy yellow; fragrant.

Single roots, 50c, prepaid.
Large roots, $1.50, prepaid.

Parrots Feathers

Produces long trailing sprays of lovely green, finely cut foliage set in symmetrical whorls; plant in a water tight vase or hanging basket, keeping water standing over the surface. A beautiful, thrifty growing, hardy plant. Try it.

Good roots, each, 25c; doz., $2.50.

Mastodon Pansies

"Mastodon Pansies" in Bloom

From March until June we offer our famous "Mastodon" Pansy plants in full bloom—none finer in the world. Put up one dozen in a basket.

Price, 60c to $1.00 per basket by express, buyer to pay charges. They will surprise and delight you.

Giant Pansies

NEW GIANT PANSIES.— Our Giant Plants are in a class of their own and can not be compared to any other Giant Pansies, no matter where grown. We know they are unsurpassed in this or any other country. A trial basket will convince you. They are the best value ever offered in a bedding plant.

Each, 5c; per dozen, 50c; by mail, 75c dozen.

MASTODON PANSY SEED

We offer a limited amount of this hand selected seed, DIAMOND MIXED

Per pkt., 25 cents — Large Trade pkt., $1.00

☞For Complete List of Spring Flowering and Bedding Plants see General Catalog

DAHLIAS

IN THE SELECTION OF DAHLIAS only those varieties of known merit should be considered. The great Dahlia Specialists of Europe and America have set a high standard, established by their years of comparative trials and you will have greater satisfaction and better values from their tested varieties which we offer, and which have been officially recognized, than you can possibly obtain from untried varieties of doubtful origin.

OUR TRIALS ARE VERY EXTENSIVE and are conducted by a practical Dahlia expert of wide experience. All tests are made in the field without irrigation and the Dahlias we list represent the "survival of the fittest," the best of the standard varieties and meritorious novelties of the most famous producers, varieties that are recognized the world over. They are true to name, erect bloomers and good keepers.

☞ **IT IS IMPORTANT** that your Dahlias be recognized varieties and **true to name.** If not, you cannot hope to exhibit them successfully.

1915 NOVELTIES

WILL BE SELECTED LATER and appear in our General Catalog, as the blooming season is not advanced enough at this writing to determine their merits. 1915 General Catalog ready in January.

CULTURE

DAHLIAS will grow to perfection in any good garden soil, preferably one that contains a little sand. Plant as soon as the frost is gone and the ground warm, cutting the tuber to a single strong eye, and placing it on its side at a depth of about 6 inches, in ground that has been previously well cultivated. An excellent way to start Dahlias is to sprout the tuber in a green house and set out the rooted plants. These are generally believed to give more and better flowers, but is more trouble than planting the bulbs. Rows should be four feet apart, plants 18 inches to 3 feet apart in the row, depending on whether planted for a hedge or for specimen plants. Cultivate thoroughly until ready to bloom, then deep tillage must cease and only the surface be lightly stirred, as deep cultivation at this time is fatal to blooming. Tall varieties should be staked.

If you use commercial fertilizer, do not apply until the plant starts growth, then work it into the top soil, 5 or 6 inches from the plant. Bone meal is an excellent fertilizer for Dahlias but must be applied early. as it is slow in action. When the plant is well up, say 6 to 10 inches, pinch off the top, leaving 2 or three joints, This will cause it to branch out into a more sturdy, bushy growth. Water freely.

PRICES 15c DAHLIAS $1.50 dozen; 20c Dahlias $2.00 dozen: 25c Dahlias $2.50 dozen
35c DAHLIAS $3.00 dozen; 40c Dahlias $4.00 dozen; 50c Dahlias $5.00 dozen

FINEST CACTUS DAHLIAS

From comparative tests in the field we have selected the following as being the best of their types and color. This list contains many of the newest Dahlias as well as the best of the older ones.

Write for Prices by the Hundred.

Red and Shades

AUGENWEIDE—Cactus—Translated this means "a feast for the eyes," and truly this beautiful cactus dahlia is all its name implies. Color is bright rose with deep rose center, grows erect on fine stems and is a full shapely flower. **Each, 50c.**

BISMARK—Cactus—A most intense bright red, petals slightly incurved perfect cactus type, has fine carriage of bloom well above the foliage, is an early and continuous bloomer always covered with flowers, one of the very finest reds. **Each, 50c.**

MARIE PURRIER—Cactus—Extra large brilliant blood-red flower of fine full form, with slender dainty incurved petals; a free bloomer of fine habit of growth, flowers erect and good keepers; a European dahlia of the greatest merit. **Each, 50c.**

JOHN PEEL—Cactus—A deep rich crimson with lighter suffusion toward center; a distinctive form of true Cactus type, a splendid keeper, with fine stems. **Each, 50c.**

MRS. FERDINAND JEFFRIES — Deep velvety garnet red, the long curved and twisted petals forming a magnificent flower of rare grace and beauty; one of the largest dahlias. **Each, 50c.**

MARATHON—Cactus—A brilliant, purplish maroon; a large, full flower with broad twisted cleft petals — color deeper toward center with light, bright purple shadings on tips and reverse of petals— good stems. **Each, 35c.**

THE EARL — Cactus — A rich ruby crimson self color, of large size, with narrow twisted petals interlacing toward the center; an exhibition variety of a distinct type; growth upright and vigorous. **Each, 75c.**

CACTUS DAHLIAS—Continued

Red and Shades

DORNROSCHEN—Unique and remarkable, variable from carmine to brilliant red, to delicate pinks with blush suffusions; a dainty, perfectly formed, fully double flower; long slender petals, beautifully incurved and quilled; large and free blooming; long stems, erect; compact bush. **35c.**

DREADNAUGHT—A giant flower, of graceful form, full, with fine claw-shaped petals; color, deep crimson maroon; a good keeper and splendid flower for exhibition, being the finest of its color and class. **Price, each, 35c.**

H. W. SILLEM—(Cardinal King)—Rich cardinal red, of perfect form, grand exhibition variety. **Each, 25c.**

MATCHLESS—Dark rich crimson. **Each, 20c.**

ARISTID GURTLER—Flowers of enormous size, petals curved inward, color brilliant orange scarlet; flower free. **Each, 35c.**

ERB PRINCESSEN REUSS—A superb shade of blood-red crimson self, the best of its color of finest cactus form, one of the most satisfactory and pleasing reds. **Each, 35c.**

OLYMPIC—Deep rich crimson; very large, petals incurved and of great depth; a strong grower. **Each, 75c.**

White

THE BRIDE—Cactus—A distinctive novelty and the daintiest, most beautiful dahlia in its class. "The Bride" is a pure glistening milky white of great substance and of full rounded symmetrical form, grows erect, keeps well cut and the golden variegated foliage is very attractive. **Each, 50c.**

FAIRY—Beautiful clear white, narrow petals, fine form; one of the best; try it. **Each, 25c.**

GUNTHER—Pure white with broad twisted petals on stiff stems. Large and beautiful. **Each, 60c.**

LAWINE—Fine large white, faint blush tint, erect, free-flowering; extra good. **Each, 35c.**

RHEINKOENIG—Cactus—(King of the Rhine) Dazzling snow-white of magnificent form and largest size; although large the flowers are daintily formed and of splendid substance, carried above the foliage on fine long stems, and are very lasting when cut. **Each, 35c.**

Pink and Shades

BRITTANIA—Beautiful salmon-pink. **Each, 25c.**

COUNTESS OF LONSDALE—Rich, rosy-salmon, very floriferous; one of the best. **Each, 25c.**

HELENE—Delicate, clear pink, with rich creamy center, a beautiful flower on very long stems and the greatest bloomer of all. **Each, 15c.**

KRIEMHILDE—Blush-pink; a prize winner; one of the finest new Dahlias. **Each, 20c.**

MRS. CHAS. FOSTER—Cactus—A beautiful lilac rose with deeper center; full well formed true cactus type with long graceful petals. A splendid grower and good bloomer. **Each, 50c.**

PINK PEARL—Deep rich pink; fine form. **Each, 25c.**

MARGUERITE BOUCHON—Brilliant rose with white center and white tips; very strong stems. A dainty and beautiful flower of large size. **Each, $1.**

GALATHEA—Cactus—A delicate soft flesh pink of finest form; a flat petaled type listed in the cactus class by the originator. Galathea is a pleasing and most desirable addition to its class **Each, 60c.**

GONDOLA—Beautiful shade of pink; with bright old-gold penciling; large, with long incurved, twisted petals, lighter at tips; great bloomer. **Each, 35c.**

GWENDOLINE TUCKER—Cactus—A dainty rose color with lighter center, a finely formed, full flower, petals incurved, carried on long, strong stems. An exhibition variety. **Each, 50c.**

FREDERICK WENHAM.—One of the largest cactus dahlias yet raised; in form the flowers are partially incurved. Growth upright; strong stems; color warm fawn-pink, with soft salmon at the center. **Each, 75c.**

MRS. WILLIAM H. TAFT.—Color the lovely pink of La France; rose, with lighter center; a large handsome flower with fine petals beautifully incurved; a vigorous free bloomer. **Each, 75c.**

REV. T. W. JAMISON.—Exhibition flower or large size; long incurved petals of a bright mauve-pink; suffused with salmon at base. **Each, 50c.**

Yellow and Shades

CARADOC.—Clear bright yellow, large flowers with incurved petals. **Each, 50c.**

FLOSSIE RIDEOUT.—Pure deep yellow with finest needle-like petals, sometimes with distinct pure white tips. **Each, 35c.**

LADY FAIR.—Primrose, tinged delicate pink, long incurved petals, free and attractive. **Each, 50c.**

IVERNIA.—Beautiful form, of all around excellence; bright salmon fawn. **Each, 35c.**

DRAGON D'OR.—A magnificent deep rich yellow of mammoth size. Petals broad and deeply cleft at tips. **Each, 25c.**

CAPSTAN—Orange-scarlet and apricot; one of the finest for cut flowers; dwarf-habit, free-bloomer, large perfect flowers. **Each, 15c.**

DESDEMONA—An exquisitely beautiful, daintily formed flower. The central shade is a lovely creamy canary shading to white at the ends of the slender, incurved petals; flowers very full, erect, borne on long stems. **Each, 50c.**

GENOVEVA—An elegant distinctive flower of a pale canary yellow, with a beautiful faint greenish tinge suffusing the entire flower, which is large, with well filled incurving petals. **Ea., 35c.**

GOLD REGEN—True cactus type, twisted petals, deep bright yellow; long stiff stems; a splendid flower. **Each, 40c.**

DR. ROY APPLETON—Cactus—The finest of the straight petal type, of perfect starlike form; color a beautiful light lemon yellow, merging to light salmon, lighter at tips; plants of good habit with long stems and one of the best for exhibition purposes. **Each, $1.00.**

GELBER PRINZ—Cactus—A grand new yellow of Marechal Neil shade, a color never before obtained in a Dahlia. Flowers are extra large, and graceful form, full centers, carried on large stems and keep well both cut and on the bush. **Each, 60c.**

PORTOLA—Cactus—An interesting fancy variety color, pale-pink, margined with clear orange bands; very variable; frequently producing self-color flowers, but pretty in either form. **50c.**

MASTER CARL—Bright amber, of giant size and perfect form, immense petals, gracefully curved; free-blooming, distinctive. **Each, 35c.**

MISS DOROTHY OLIVER—Pale primrose yellow; long narrow petals; fine form. **Each, 35c.**

MODELL—A beautiful clear waxy yellow, with a delicate plum blush sheen over tips of petals; a dainty, lovely flower of large size, perfect form, petals incurving, erect on long stems: one of the best bloomers and most vigorous growers. **Each, 50c.**

Lavender

MAUVE QUEEN—A beautiful true lavender with lighter center, full flower with finely quilled petals beautifully formed, incurved. **Each, 35c.**

INDOMITABLE—Cactus.—Long, very narrow petals, perfectly incurved; in color a rosy mauve; a beautiful erect ower on good stems. **Each, 50c.**

CACTUS DAHLIAS—Continued

Variegated and Shaded

COMET—Extra large, silvery rose, marked crimson, a very free bloomer, of good habit. **Each, 25c.**

RELIABLE—A blending of yellow, brick-red and salmon; truly a grand flower. **Each, 25c.**

WODAN—Cactus—Magnificent flowers of largest size and pleasing form, color orange rose shading to old gold center, very vigorous. **Each, 50c.**

WM. MARSHALL—Gigantic flowers of rich orange with yellow center. **Each, 35c.**

Decorative Dahlias

A Magnificent Collection of the Best of this Superb Type

PRINCESS JULIANA—Originating in Holland, received a special award of merit at the Royal Horticultural Society's show in London and is the most beautiful and useful white Dahlia; flowers are pure white, of perfect form; foliage is rich dark green. A splendid grower and profuse bloomer, the magnificent flowers carried on long, strong stems, will keep for days when cut.
Plants or tubers, each, 50c.

KAISERIN AUGUSTA VICTORIA—Magnificent white flowers, of immense size and perfect form, borne erect on long stems **Each, 35c.**

LAVENDER QUEEN—Clear, soft lavender; petals deeply serrated. **Each, 15c.**

LE GRAND MANITOU—(Decorative)—Immense perfect flowers, color a white ground splashed and striped with deep violet red; the finest variegated Dahlia in the decorative class. **Each, 35c.**

MANITOU—Deep amber, shaded bronze; often 7 inches in diameter. **Each, 25c.**

MISS FRANCIS FELL—Silvery white, faint lilac shading on outer petals; strong, erect grower.

MME. A. LUMIERE—Pure white with violet red points, good. **Each, 25c.**

MRS. WINTERS—Snow white, large beautiful form. **Each, 20c.**

NAVAJO—Rich, velvety red; splendid sort. **Each, 15c.**

ORANGE KING—Deep brilliant orange scarlet of finest form, full blooming. **Each, 15c.**

SOUVENIR DE GUSTAVE DOAZON—The largest Dahlia to date; often growing 9 inches in diameter; constant bloomer, magnificent rich scarlet color; the greatest of all Dahlias. **Each, 25c**

SYLVIA—Splendid pink; floriferous; keeps well. A good dry weather Dahlia. **Each, 15c.**

"DELICE"

DELICE—(Decorative)—Lovely shade of pink, broad petaled flowers with large stiff stems, very floriferous. *A fine, lasting cut flower.* **Each, 35c.**

GAIETY—A superb new decorative, vivid scarlet, heavily marked with pure white; stems are long and flowers are produced freely; excellent for cut flowers. **Each, 35c.**

JEANNE CHARMET—A beautiful lilac pink; each petal edged with white; flowers are very large and stems exceptionally long; very fine. Height, 4 feet. **Each, 25c.**

Show Dahlias

The show or "quilled" Dahlia is the popular old fashioned type and has been so improved that many of our most magnificent flowers belong in this class.

A. D. LIVONI—This grand old variety still remains the best pink of its type. **Each, 15c.**

DIADEM—Brilliant rich crimson of fine full form, free blooming, has good stems. **Each, 25c.**

DREER'S WHITE—A magnificent white of largest size and great purity, long stems. The best of its color. **Each, 35c.**

FRANK SMITH—Very dark rich red with light tips, variable; a fine full flower, good grower. **Each, 15c.**

GRAND DUKE ALEXIS—A giant glistening clear white flower with the daintiest of lavender flakes or markings near center. Nothing surpassing this magnificent dahlia has ever been produced. **Each, 25c.**

JOHN BENNETT—Yellow deeply edged scarlet; a very free bloomer and a desirable color. **Each, 25c.**

THOS. PENDRED—Finest and largest of the pure yellows, a rich soft shade of golden yellow, perfect form, blooms freely and continuously, even in dryest weather. **Each, 25c.**

MRS. ROOSEVELT—A beautiful, delicate pink, of immense size, fine stems, perfect form, large and double, superb. **Each, 35c.**

NORMA—Pure old gold with delicate plum suffusion that adds to its brilliancy; a full, well formed flower on good stems. **Each, 25c.**

W. W. RAWSON—Pure white overlaid with amethyst blue. Petals are quilled toward center but more open at outer part. The massive flowers often measure 7 inches in diameter; borne on stiff erect stems. **Each, 50c.**

LUCY FAWCETT—Light canary yellow, with penciling of clear magenta. Large and very free. **Each, 20c.**

Many DAHLIAS not here listed can be supplied on demand—as we grow hundreds of varieties in our trials. **Send in your list.**

Paeony Flowered Dahlias

ORIGINATING in Holland, the Paeony flowered Dahlias have become a great specialty with these famous growers, and the marvelous beauty and magnificence of the new types and varieties fully justify their claims to distinction as the most satisfactory garden Dahlia.

The rare new shades, brilliant coloring, velvety finish and glistening sheen of their petals, their giant size, yet most graceful and pleasing forms are unexcelled by any class of flowers. Too much can not be said in their praise and our splendid assortment of latest European novelties have surpassed out greatest expectations. All have received special certificates of merit at the Amsterdam and Haarlem Shows, and we urge you to make at least a trial planting.

The blossoms are semi-double, of enormous size and the coloring is most brilliant and beautiful. They come in several pleasing forms generally with 3 to 5 rows of petals, which are long and broad, sometimes being beautifully curled and twisted.

Paeony Dahlias bloom more freely than any other class and are very vigorous, growing to a height of 5 to 6 feet, with their flowers on long stems above the foliage.

The three new "Hortulanus" varieties are superb, giant, graceful flowers that approach the decorative type in form and regularity, but are listed in the Paeony Class. We were the first to introduce them in this country.

The following list includes the most popular sorts and best of the recent introductions

HORTULANUS BUDDE—Opens a clear, bright crimson changing to lovely rich old rose, shading to delicate fawn at tips and margins of the broad, velvety petals. A grand, giant flower, well poised on long strong stems. Special award of merit. **Each, 50c.**

HORTULANUS FIET—Bright salmon rose on old gold and orange, lighter toward tips. A magnificent flower of the same general type as Hortulanus Budde. A truly marvelous flower, being a mass of blooms throughout the season. **Each, 75c.**

HORTULANUS WITTE—A wonderful giant white of great beauty, the broad, graceful petals are of good substance and of a glistening pearly, white with fine large stems. Similar in form and size to other Hortulanus varieties. First-class certificate. **Each, 75c.**

MADAM VON BYSTEIN—A magnificent lilac lavender, changing to light blue. A dainty, fluffy flower of large size and lovely form; good stems. A graceful, refined flower of a new and beautiful shade. Sure to thrive and please you. **Each, 75c.**

AMERICA—A glowing old rose overlaid with a rich shade of old gold. A shapely, full flower of 7 to 9 inches in diameter, with broad, gracefully twisted petals; flowers erect on long, strong stems. A magnificent and distinctive flower well worthy of the name "AMERICA." First-class certificate Amsterdam, 1912, and Harlem 1912. **Each, 75c.**

JAN OLIESLAGERS—A grand, new clear deep yellow of fine Paeony form. Flowers of good substance, brilliant finish, erect on long stems. **Each, 75c.**

LA HOLLANDE—Dainty light rose with golden suffusion that deepens toward the center. A large and beautiful flower, good stems Certificate of merit. **Each, 75c.**

SHERLOCK HOLMES—A pure, lovely lavender self-color entirely free from purple or reddish tints; large, full, gracefully poised flower on extra good stems. One of the most pleasing and distinctive new Dahlias. **Each, 75c.**

DR. PEARY—Brilliant, dark, velvety garnet red of magnificent form, the large twisted petals producing a brilliant flower of great beauty. The small deep golden center enhancing the brilliancy of the pure self-colored petals. One of the most pleasing of the newer Paeony Dahlias. Flowers well poised on strong stems. **Each, 75c.**

GLORY OF NYKERK—Dark, violet red, overlaid with blackish crimson. A brilliant and attractive flower of large size and finest Paeony type; good stems, beautiful and distinct foliage. **Each, 75c.**

ZEPPELIN—A rich, bright lavender of the largest size, well poised on big strong stems. A truly magnificent flower of great beauty. Award of merit. **Each, 75c.**

☞ **See General Catalog** for 1915 for our complete list of newest and best **Dahlias, Gladioli and Cannas.**

PAEONY FLOWERED DAHLIAS—Continued

A. C. IDE.—Dark carmine red. **Each, 50c.**

ANDREW CARNEGIE—Salmon pink, shaded bronze, center very prominent and rounded; petals are somewhat flat, making it a distinct shape. Height, 4 feet. **Each, 50c.**

BERTHA VON SUTTNER—Salmon pink, shaded yellow, erect, elegant form. Height 4 ½ feet. **Each, 50c.**

CAESAR—New. This is the finest yellow of the Paeony section, a magnificent semi-double, clear bright yellow, flower of perfect form, borne erect on long stems; a vigorous grower and free bloomer. Height, 4 feet. **Each, 50c.**

COEUR DE LA PAIX.—Light purple, tinged terra-cotta. **Each, 50c.**

DOMINION.—Bright rosy red, shading rose-pink toward edges; large full flower, ornamental foliage. **Each, 50c.**

DR. K. W. VAN GHORKOM—White shaded rose Flowers large and free bloomng. **Each. 50c.**

GEISHA—Geisha has a rich, bright golden yellow ground color near center; suffused and heavily marked with clear, bright red, shading toward points of petals into the clear yellow of the ground color; a beautiful deep golden center adds to the harmony of the color scheme which is the most striking and brilliant ever seen in a Dahlia. The immense flowers often attain a width of 10 to 12 inches, and the massive petals are twisted and curled in the most fantastic manner. **Each, 50c.**

GERMANIA—A rich, dark, velvety wine color color with suffusion of golden-yellow toward the edges of petals Germania is free from the purplish tint that spoils other reds. **Plants or tubers. Each, 35c.**

GIANT EDELWEISS—This new type of Dahlia has true cactus petals of enormous length, curving inward at the tips; color a pure glistening velvety white, of great substance; the center is a brilliant golden yellow, a perfect duplicate of the famous Edelweiss of the Alps, on a gigantic scale, hence its name. Flowers are erect above foliage on long stems, a vigorous bloomer, 5 feet. **Each, 35c.**

GLORY OF GROENEKAN—Extra large flowers of finest form. Color a splendid golden orange. Strong grower; free-flowering. **Plants or tubers. Each, 35c.**

KING GEORGE.—Rich wine red, large full flower, very conspicuous. **Each, 50c.**

KING LEOPOLD—Cream yellow shading to white. Large long stems, good. Height 5 feet. **Each, 35c.**

LA RIANTE—Deep pink flowers, long stems, good keepers, distinct garden variety of great value. **Each, 35c.**

MANNEHEIM—Soft orange, with golden suffusion fine form. Height 6 feet. **Each, 50c.**

MME. BUTTERFLY.—Soft salmon rose. **Each, 50c.**

PHILADELPHIA—In form this is a semi-double cactus of giant size; color, rich reddish-purple with brighter shadings, suffused and marked with white; very free flowering and gay. **Each, 35c.**

PRESIDENT FALLIERS.—Orange red. **Each, 50c.**

P. W. JANSSEN—A magnificent Dahlia of splendid form and distinctive coloring, being a lovely shade of old rose, marked and suffused with deep, rich golden yellow, a rare and beautiful combination. Extra fine. **Each, 35c, postpaid.**

QUEEN EMMA—A bright pink with darker pink penciling and narrow yellow shading in center of petals. **Each, 35c.**

QUEEN WILHELMINA—Large, pure white, central petals beautifully twisted and curled; very vigorous and free flowering; one of the finest garden Dahlias. **Plants or tubers. Each, 35c.**

RHEINGAU—Large pointed petals, dark brilliant scarlet; immense size. A fitting companion to Giant Edelweiss, being of the same general type. **Each, 50c.**

THE BRIDE—A giant flower of graceful form. Color is silvery white, of full fluffy Paeony type, center petals twisted, good stems. Certificate Amsterdam and Haarlem shows. **Price, $1.50.**

VESTA.—Light yellow and salmon rose. **Each, 50c.**

Dwarf MIGNON Dahlias

NEW "MIGNON" DAHLIAS—A new Dwarf Type of Single flowered Dahlias growing to a height of about 14 inches. Plants are bushy and symmetrical and produce in the greatest profusion brilliant large flowers of fine substance, borne on long stiff stems high above the foliage. They make a grand garden display and are long keepers when cut. Mignon Dahlias originated in Holland and were awarded 5 first-class certificates and 5 awards of merit at Amsterdam. We offer in four colors: **Brilliant Orange, Velvety Crimson, Yellow and Violet.**

Price, each, 20c; doz., $2.00

Pom Pon Dahlias

These are pretty little globe shaped flowers on long stems, high above the dwarf foliage, fine for border, keep well when cut.

BESSIE—Creamy white, finely quilled. **Each, 15c.**
CATHERINE—Purest yellow; large. **Each, 20c.**
DARKEST OF ALL—Darkest pom-pon; perfect flowers. **Each, 20c.**
LITTLE HERMAN—Deep carmine, shaded garnet; tipped white. **Each, 20c.**
NERISSA—Soft pink, silvery tint; a beautiful new color. **Each, 20c.**
WHITE ASTER—("Guiding Star"). A dainty, graceful, pure white flower with tips of petals cleft, giving a fringed effect. **Each, 20c.**

Collarette Dahlias

Collarette Dahlias are of French origin, having single flowers with an additional row of petals around the disc, forming a frill or collar usually of a contrasting color.

COLLARETTA.—Lovely rose-shaded pink, yellow and rose collarette; very pretty. **Each, 35c.**

FINE FLEUR.—Shades of fawn, apricot and yellow. Yellow collarette, very distinct. **Each, 50c.**

MAURICE RIVOIRE.—Large rich maroon with pure white collar. **Each, 35c.**

TITANIA.—Deep crimson, edged rosy lake, white collarette. **Each, 35c.**

HARDY FERNS for SHADY BORDERS and ROCKWORK.

6 BEAUTIFUL and USEFUL VARIETIES—TRIAL COLLECTION FOR $1.25—SEE PAGE 22

Miscellaneous Ornamentals

Yucca

SPANISH BAYONET OR ADAM'S NEEDLE—Has a fine appearance; the stems grow two or three feet above the ground; covered with large, bell-shaped flowers on laterals, forming a perfect pyramid; valuable for rockwork.

FILAMENTOSA—Thread leaved, creamy white; July. **Plants, 2 feet, each, 75c to $1.00.**

Bleeding Heart

SPECTABILIS. One of the most ornamental of hardy spring flowering plants, with elegant green foliage and long, drooping racemes of heartshaped flowers. This is deemed one of the finest of all hardy garden plants.

Strong roots.....Each, 30c, postpaid.

Pampas Grass

A noble ornamental grass, easily grown, producing long, pointed leaves and majestic, silvery white plumes, which are very valuable for winter decoration; grows 6 to 8 feet high.

Strong roots, each, 60c to 75c.

Large specimen plants, $2.00 to $5.00.

Tritoma—(Pfitzeri)

Everblooming Flame Flower or Red Hot Poker

This new sort is of a rich orange-scarlet, blooming from mid-summer to latest fall; spikes 3 to 4 feet high; one of the very best of this useful class, which is hardy with slight protection, but winters best if lifted and stored in sand. These hardy perennials are unsurpassed as border plants or for mass effects.

Strong flowering roots 25c; doz., $2.50 prepaid

St. Johns Wort

(Hypericum Moserianum)

Low growing with yellow blooms; a drought resister. July and August. **Clumps, 50c.**

Pampas Grass

Caladium

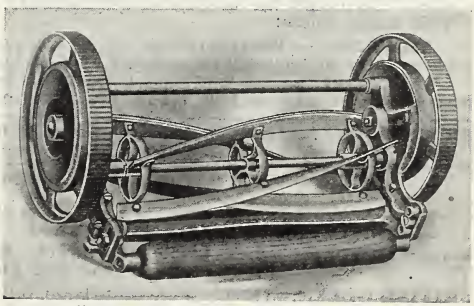
Esculentum—(Elephant's Ear) Grand tropical looking plant. A favorite for specimens on the lawn, or for bordering large sub-tropical groups. In deep, rich soil, if freely watered, they produce enormous leaves, frequently four feet long by three feet wide. Plant in the spring. Height, 4 to 5 feet.

Each, 25c; doz., $2.00

Highest Grade **Cycle Lawn Mowers.** **Fully Guaranteed**

Stationary, draw-cut blade, self sharpening, protected from rocks, nails, etc., keeps the mower close to the turf on uneven ground — cuts all the grass right the first time over.

CYCLEMOWERS—Have self-adjusting ball bearings, bed knife rests on frame instead of being supported by screws — as in other models — making it impossible to bend or warp out of alignment, the revolving wiper blades draw the grass over the keen cutting edge of the bed knife. This is the big distinctive feature of the Cyclemower and is entirely different from other lawn mowers. The bed knife is protected, has lipped cutting edge, does not wear unevenly and is self sharpening and adjusting. We tried them out for a season on our own grounds before offering to our customers and found them superior in every respect. **If you would be free from lawn mower troubles, buy the light running self sharpening Cyclemower.**



"Cyclemowers" are made of Crucible Steel

PRICES AND SIZES.

14 in. cut, 8 in. wheel, 4 blades	$ 5.65	16 in. cut, 10 in. wheel, 4 blades	7.85
16 in. cut, 8 in. wheel, 4 blades	5.95	18 in. cut, 10 in. wheel, 4 blades	8.35
14 in. cut, 9 in. wheel, 4 blades	6.50	14 in. cut, 11 in. wheel, 5 blades	9.75
16 in. cut, 9 in. wheel, 4 blades	6 90	16 in. cut, 11 in. wheel, 5 blades	10.95
14 in. cut, 10 in. wheel, 4 blades	7.50	18 in. cut, 11 in. wheel, 5 blades	12.00

To Make and Keep A GOOD LAWN You Need a LAWN ROLLER

"DUNHAM" ROLLERS run 44% easier and cost no more than others—for prices and sizes see our general catalog. We carry both "WATER WEIGHT" and CAST IRON ROLLERS.

DIAMOND QUALITY

ROSES

DIAMOND QUALITY ROSES are large, sturdy, two-year-old, field-grown roses that will give you splendid flowers the first season. They are true to name and our list includes the best of the well known popular varieties, the most meritorious of recent novelties and the Gold Medal roses of the famous European growers.

YOUR ROSE ORDER entrusted to us will insure careful selection and no substitution If you do not find what you want in this catalog write us. Our excellent connections with the great centers of production enable us to supply any variety in commerce.

Abbreviations

T.—TEA—One of the best classes of roses, and truly ever blooming. They are hardy in this section, frequently wintering without any protection, although during our coolest weather and in cold sections they should be protected with a covering of fir boughs, straw or burlap.

H. P. HYBRID PERPETUAL—The hardiest of all roses, vigorous in growth and easy of culture, producing large flowers, fine in form and fragrance.

H. T.—HYBRID TEA—Most of these are as free flowering and as constant bloomers as the teas, and are hardier, but, as a rule, not so hardy as the H. P.'s.

PLANTING AND CARE

In our favored section, Roses attain a perfection seldom equalled, but you can not expect them to thrive and bloom unless you care for them. We offer the following simple suggestions.

SOIL—Any good, well-drained garden soil enriched with fertilizer will give excellent results. If heavy clay soil mulch well with burnt earth and manure, rotted sod of leaf mold.

WATERING—When setting out, water regularly until roots are well set; then about once a week unless the ground is very dry; in such cases more often. Do not get the foliage wet after a hot day. This causes mildew.

FERTILIZER—Our odorless commercial fertilizer, Bone Meal, Tankage of Blood, will give excellent results, and should always be applied after the plants start their growth.

FINALLY—Keep the surface well worked around the roots. This is as necessary as water or fertilizer.

When planting cut back freely, and the bush will recover quickly.

SHIPPING.— We always send all our two-year-old rose bushes charges collect by express or freight, packing them so they will carry safely even though they should be on the road for two weeks or more.

If necessary, we can send small two-year-old bushes by mail at an additional cost of 7c each to cover postage, but in such cases we always prune the tops and roots ready for planting.

PRICES.— 35c roses, $3.00 doz.; 40c roses, $4.00 doz.; 50c roses, $5.00 doz.; 60c roses, $6.00 doz.; 75c roses, $8.00 doz.; $1.00 roses, $10.00 doz.

FOR ALPHABETICAL, CLASSIFIED LIST OF ROSES, SEE PAGE 42.

Beautiful Roses of Recent Introduction

Magnificent new roses imported direct from famous Irish and Continental growers. Two-Year Old Field Grown Plants Only

BRITISH QUEEN.—(H. T.) Pure white large, full flowers of exquisite form, opening freely in all weathers; promises to be one of the best white roses for bedding and cutting. Surpassing "Druschki" in beauty of form and purity. **Each, $1.00.**

GEORGE DICKSON.—(H. T.) Very strong and vigorous, upright growth, flowers of the largest size; perfect in shape and unique in color, being a velvety blackish crimson with the back of the petals heavily veined with pure crimson maroon. Delightfully scented. **Each, $1.50.**

LADY MARY WARD.—(H. T.) Free, vigorous and hardy, color rich orange, shaded deeper orange with metallic veneering; very brilliant splendid for bedding and cutting **Each, $1.50.**

LYON.—(Pernetiana.) The Lyon is a beautiful shrimp pink with salmon and chrome yellow shadings. Large, coral red buds, beautifully formed; full, globular flowers of rare beauty; a continuous and free bloomer. **Each, 50c.**

JULIET.—(H. B.) A magnificent new rose, the color being a wonderful combination of old gold on the outside of petals and a rich, rosy red on the inside. Flowers are large, full and delightfully scented. The foliage is luxuriant and beautiful. **Each, 50c.**

MAD. EDUARD HERRIOTT—The famous winner of the Daily Mail Prize. The color being terra-cotta bronze and geranium red, a new combination of colors in a rose. The bud is long and sharply pointed; the foliage is dense, leathery and a deep glossy green; a rare beauty. **Each, $1.50.**

Beautiful Roses of Recent Introduction—Cont.

OLD GOLD.—(H. T.) A splendid garden rose of vivid reddish orange color with coppery red and coppery apricot shadings. Flowers are medium size and moderately full. Fine for bedding. **Each, $1.50.**

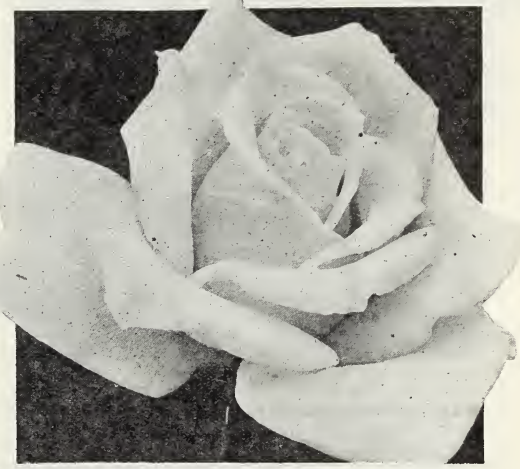
QUEEN MARY.—(H. T.) Vigorous, free branching growth, a bedding and garden rose of great beauty and refinement, flowers medium size and fine form, color lemon chrome, bordered at the edge with pure, deep carmine; a charming combination affording a most delightful contrast. **Each, $1.50.**

RAYON D'OR.—(Pern.) Flowers are large, full, open freely. Buds long, pointed, of deep orange cadmium smeared claret, opening to a rich sunflower yellow, which does not fade. Foliage is deep, glossy green; and free from the attack of mildew. This splendid new rose is a cross between Melaine Soupert and Soliel D'Or. **Each, 75c.**

GLOIRE DE CHEDANE GUINOISSEAU.—Brilliant vermillion red; large and full; finely formed; a grand rose. **Each, 50c.**

Five Rare New Irish Roses

Countess of Shaftesbury



COUNTESS OF SHAFTESBURY.—(H. T.) A splendid new pink of the most ideal type of Hybrid Tea; flowers are large, perfect in form and produced in the greatest profusion. The color is a bright, silvery carmine mottled and flushed shell pink, giving a picotee effect; a fine exhibition rose, being a Gold Medal winner and the best pink rose for massing or garden. **Each, 75c.**

EDWARD MAWLEY.—(H. T.) Flowers large and full, of finest form, with beautiful, long pointed buds; color deep, rich, velvety crimson which does not fade; flowers keep well when cut; growth is vigorous, upright and branching, with handsome foliage. Edward Mawley is one of the finest red roses ever offered, being a decided advancement in its class. Two-year-old, field-grown plants. **Each, 75c.**

MRS. CHAS. E. ALLAN.—(H. T.) A delightful garden rose of a delicate and novel coloring, opening a pale orange and changing to ochre as the flower opens. Buds are long, pointed, and flowers are full on good stems, flowers freely every shoot producing a bloom. A vigorous grower and one of the finest garden roses ever introduced. **Each, 75c.**

MRS. FOLEY HOBBS.— A veritable giant among Tea Roses. Color, delicate ivory white, delicately tinged pink on edge of petals; deliciously scented; a great bedding rose. **Each, 75c**

LADY ALICE STANLEY.—(H. T.) This grand new gold medal rose is large, very full and of splendid substance; petals shell shaped, pointed, giving perfect form to the flowers, which are a lovely, deep coral, inside pale flesh; deliciously fragrant and are very lasting. A free grower and a profuse and constant bloomer. Two-year-old plants. **Each, 50c.**

Sunburst Quartette New Yellow Roses

Four of the Most Popular New Yellow Roses. All are Fine Garden Roses.

LADY HILLINGDON.—(T.) Deep apricot yellow, long and pointed bud, a fine forcing or garden rose, excellent for cutting. Flowers are of a good substance, very lasting and foliage handsome and luxuriant. Lady Hillingdon is considered the best decorative rose in its class. This aristocratic beauty is a seedling from Papa Gontier and Madame Hoste. Two year old plants. **Each, 75c.**

SUNBURST.—(H. T.) The finest of all yellow roses with long pointed buds carried singly on good stems. Flowers large, full and of most beautiful form, color a superb Cadmium yellow with orange yellow center. The foliage is a handsome bronze green; a vigorous grower and good both as a forcing garden rose. **Each, 75c.**

MRS. AARON WARD.—(T.) One of the most delightful roses of recent years in a color that catches the eye at once — a deep golden orange color shading out to lemon or creamy yellow at the edge of the petals. Some describe the rose as an Indian yellow. The buds are cupped and very deep, showing the glowing heart to the best advantage. Flowers very large, very full, of exquisitely refined form. One of the most beautiful roses in existence. **Each, 50c;**

REINE MERE D'ITALIA.— Apricot ochre yellow, medium sized, full flowers, very freely produced. Dainty and beautiful. **Each, 60c.**

Two New Single Irish Roses

IRISH ELEGANCE.—(S.) Large, single, golden bronze flowers of great beauty, free and constant bloomer, with deep bronze foliage; a fine buttonhole rose. These single roses make a charming garden display, blooming profusely, and are also splendid for exhibition. **Each, 50c.**

IRISH SIMPLICITY.—(S.) Almost single, pure white and of immense size. The great size and substance of the petals which are slightly cupped and the golden yellow anthers may readily bring to mind the comparison to a huge water lily. Vigorous grower with handsome deep green foliage. **Each, 50c.**

Grand New Garden Roses

These splendid free blooming Roses are newer varieties that are becoming more plentiful and can be offered at a very low price. In this list you will find many famous prize winners and some of the most beautiful and popular roses.

MRS. DAVID McKEE—Creamy yellow; large, full, freely and continuously produced. Best of its color.

Price of 2-year old plants, 50c each, unless otherwise marked.

DOROTHY PAGE ROBERTS.—(H. T.) Coppery pink, suffused with apricot yellow, very free and perpetual, a delightful garden rose.

DUCHESS OF PORTLAND.—(H. T.) One of the best Dickson introductions; a lovely pale yellow with thick, leathery petals, full and perfect form; hardy, robust rose, blooming earlier and more freely than "Kaiserin," long stems; lovely in bud or flower, and a good keeper. Gold medal N. R. S.

JONKHEER J. L. MOCK.—(H.T.) A magnificent and unique rose. Inside of petals, red, outside silvery blush white. Of fine form, good substance and largest size. A strong, rapid grower.
Awarded eight prizes at the recent European shows.

JOSEPH HILL.—(H. T.) Salmon pink shaded yellow. Outside petals yellow suffused copper, a large, free blooming rose of elegant form.

LE PROGRESS.—(H. T.) Nankeen yellow, opening to saffron yellow; large, full and cupped, opening freely: a grand rose, always in flower.

MADAME MELANIE SOUPERT.—(H. T.) Splendid new orange yellow shaded pink; beautiful long-pointed buds, large size, free blooming; a strong, upright grower; best of its color.

MRS. ARTHUR WADDELL.—(H. T.) A strong, grower, foliage highly ornamental. Large, long pointed buds of a bright, rosy scarlet, a finely formed flower of a rich apricot or salmon color.

PHARISAER.—(H. T.) Rose, shaded salmon, blooms freely; opens well, is large and of finest form. A free and constant bloomer.

MARQUIS DE SINETY—Deep saffron yellow flushed reddish copper. Flower large, beautiful, dark foliage.

Grand Garden and Exhibition Roses

Price: 2-year old plants, 40 cents each, except where noted; 6 for $2.00

AVOCA.—(H. T.) Deep scarlet crimson flowers of perfect form; very fragrant.

BETTY.—(H. T.) Beautiful coppery rose color, overspread with golden yellow. Deliciously fragrant; very large, fairly full and of glorious form. Superb decorative variety for the garden.

COUNTESS OF GOSFORD.—(H. T.) Clear salmon pink, base of petals shading to saffron yellow, very vigorous; perpetual bloomer.

FLORENCE PEMBERTON.—(H. T.) Creamy white, suffused pink. Flowers very large and full, of perfect form and wonderful substance.

FRANZ DEEGAN.—(H. T.) This beautiful yellow Hybrid Tea is a fine grower, having dark, leathery foliage and the good habit of throwing up numerous heavy canes, each one crowned by a glorious flower of large size.

GENERAL McARTHUR.— (H. T.) Dazzling crimson scarlet; a grand American rose of ideal form, delicious perfume and magnificent foliage. Blooms continuously in great profusion; the grandest red rose for garden or cutting.

HUGH DICKSON.—(H. P.) Glowing, crimson-shaded scarlet; large, full, perfectly formed, delightful perfume, strong grower, perpetual bloomer (should be cut back freely). After careful comparative tests, we believe Hugh Dickson is the best hardy red garden rose to date.

J. B. CLARK.—(H. T.) One of the finest of new roses. Its glorious flowers are intense scarlet, shaded blackish crimson, of giant size, finely formed and fragrant; growth vigorous and upright.

KILLARNEY.—(H. T.) The new Irish Beauty. Color an exquisite shade of deep shell-pink lightened with silvery pink.

LADY ASHTOWN.—(H. T.) One of the finest pinks of a rich, deep, silvery tone; flowers large, perfect form; free blooming; vigorous.

LADY ROBERTS—(T.) Rich apricot, base of petals coppery red, edges of petals shaded orange' bud long and pointed; very beautiful.

MAD. RAVARY—Beautiful clear orange yellow. Long pointed buds; flowers of fine form.

MRS. DAVID JARDINE.—(H. T.) Delightful shade of bright, rosy pink, shading in outer petals to salmon pink; large, highly perfumed.

MILDRED GRANT—(H. P.) Delicate pale pink, shading to silvery white in center; grand giant variety of rare beauty; perfectly formed, pointed buds; full flowers of fine substance.

MME. LEON PAIN—(H. T.) A silvery flesh with yellowish orange center; very large and full; opens freely; vigorous.

MADAME PHILLIPPE RIVOIRE.—(H. T.) Beautiful apricot yellow and Nankeen yellow center, reverse of petals carmine; large, full and globular.

MAD. SEGOND WEBBER.—(H. T.) Pure, rosy salmon, vivid center, large, full and perfectly formed flower, flowering freely and continuously on stiff erect stems.

PRINCE DE BULGAIRE.—(H. T.) Very vigorous grower, with large, bright green foliage; beautiful form of bud, flower very large and full. The outer petals are extremely large, of superb rosy flesh color; center of flower bright red, very fine and free.

WHITE KILLARNEY.—(H. T.) The finest everblooming white rose for cut flowers. The long pointed buds are of ideal form, petals purest white and heavy wax-like texture, remaining a long time in bud. Flowers are full and beautiful when open and are very lasting.

W. R. SMITH.—(T.) (Maidenblush.)—A superb new rose of American origin, producing elegantly shaped buds and open flowers of much beauty. Of exquisite silvery pink color and sweetly perfumed.

Grand Garden and Exhibition Roses—Cont.

The following splendid varieties are now freely produced and can be offered at a low price.

PRICES: 2-year-old plants, each, 35c; doz, $3.00.

BELLE SIEBRECHT.—(H. T.) A true, solid pink of the richest shade, a rare color. The flowers are sweetly perfumed, and large, beautifully formed, of long, tapering shape, with high center, and when half blown the petals reflex in a graceful manner.

BESSIE BESSIE H. T.—Creamy white; large, full and of very fine form. An exhibition rose.

CECILE BRUNNER.—(Poly.) Bright, rose, yellowish in center; very sweet; dwarf polyanthus.

CLARA WATSON.—(H. T.) A bright salmon rose tinted peach, good form; a vigorous grower.

DEAN HOLE.—(H. T.) Beautiful silvery carmine, shaded bright golden pink; grand flowers of great substance, perfect in form; vigorous, free branching habit; continuous bloomer; one of the best exhibition roses. Gold medal. N. R. S.

ETOILE DE LYON.—(T.) Blooms freely, and every flower is a gem, equaling the Marechal Neil in size. Sweet scented; color, rich golden yellow.

FRAU KARL DRUSCHKI.—(H. P.) The white American Beauty. Makes splendid buds and immense flowers; perfectly double and delightfully fragrant; large, thick petals; bright, shining green leaves, elegantly veined; a healthy, vigorous grower, and a constant and abundant bloomer.

GRUS AN TEPLITZ or VIRGINIA R. COXE.—(H. T.) Color, fiery crimson, with a dark velvety sheen, very fragrant. The freest blooming rose.

HON. INA BINGHAM—(H. T.) Bright Pink, good substance, large, desirable garden rose.

KAISERIN AUG. VICTORIA.—(H. T.) A beautiful rose with elegant, large pointed buds and very large, full double flowers; color delicate creamy white; deliciously fragrant. A strong, healthy grower and constant bloomer.

LA DETROIT—A beautiful shell-pink shading in the center to a soft rose pink. Reverse of outer petals creamy-flesh tint, strong, healthy grower; prolific bloomer; delightful tea fragrance.

LA FRANCE.—(H. T.) Both flowers and buds are of grand size; color, a silvery rose, changing to pink. A general favorite. Sweetest of all roses.

LADY BATTERSEA.—(H. T.) This variety has long, oval buds, sharply pointed; very striking in form. The color is a bright, cherry crimson.

MAD. ABEL CHATENAY.—(H. T.) Color, beautiful rosy carmine, with darker shadings. Very richly colored. One of our finest varieties.

MADAME CAROLINE TESTOUT.—(H. T.) A grand rose of the La France type, but with flowers larger and finer. Color, bright satiny pink; very fragrant and free in bloom. The official "Carnival Rose."

MAMAN COCHET.—(T.) This is one of the most beautiful Tea roses we list. The color is a deep rosy pink, the inner side of the petals silvery rose.

MARIE VAN HOUTTE.—(T.) Of a fine faultless straw-yellow color: outer petals washed and outlined with a bright rosy carmine.

MY MARYLAND.—(H. T.) Beautiful, bright pink, with paler edges; delightfully fragrant; robust grower and very free flowering; flowers full and good keeper. The best pink of its color; especially fine for florists, as well as being one of the grandest garden roses.

ORLEANS (Poly.) Bright rosy red, peach center; producing immense trusses of bloom.

PAPA GONTIER.—(T.) Large and semi-double; a vivid cherry red color, shaded yellow, reverse of petals crimson.

PERLE DES JARDINS.—(T.) A clear, golden yellow, an indescribably rich and beautiful shade.

RAINBOW.—(H. T.) Buds and flowers of large size; color, a beautiful shade of deep pink, distinctly striped and mottled with brilliant crimson, elegantly shaded and toned with rich amber.

RICHMOND.—(H. T.) The most vivid of everblooming red roses, buds and flowers of the most perfect and desirable form. The best of its color.

SAFRANO.—(T.) Bright apricot yellow, tinged orange and fawn.

SOUV. DE PIERRE NOTTING.—(T.) Very large, perfectly full, of elegant form; has a beautiful long bud; color, orange yellow, bordered in carmine rose.

SOUV. DE PRESIDENT CARNOT.—(H. T.) Lovely shell-pink, delicately tinted with golden fawn on rich creamy white. Superb for bedding in open ground. Makes splendid buds for Summer cutting.

VISCOUNTESS FOLKSTONE.— Flowers borne on strong stems, with thick foliage; color, delicately tinted flesh, almost white, with beautiful satin finish.

WHITE LA FRANCE.—(H. T.) This magnificent rose is a pure white La France, having just a breath of rose-tinted blush.

WHITE MAMAN COCHET.—(T.) White, grand substance, immense size, exquisitely fragrant and a free bloomer; buds long and pointed.

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12 Fine Hybrid Perpetual Roses

2-year-old plants, 35c each; set of 12 sorts, $3.00

AMERICAN BEAUTY.—(H. P.) One of the largest, sweetest and best; color rich rosy crimson, shaded and veined in the most charming manner.

BARONESS ROTHSCHILD (H. P.)—Flowers of immense size; color bright rosy pink.

CONRAD F. MEYER.—(Rug.) Beautiful silvery pink, of grand form and delicious fragrance, hardy in any climate, its handsome foliage makes it most valuable for a flowering hedge.

GENERAL JACQUEMINOT.—(H. P.) Bright, shining crimson; very rich and velvety.

MRS. R. G. SHARMAN CRAWFORD.—(H. P.) Lovely deep rose pink, outer petals shaded pale flesh, base white, a new and unique shade. Large perfect flowers, free blooming; a grand Autumn rose.

GLOIRE LYONNAISE.—(H. P.) Color, chamois yellow, deepest at the center, passing to creamy white; large, full, sweet and very distinct.

MABEL MORRISON.—(H. P.) Of purest white; velvety in appearance; petals thick and shell-shaped; very double and rounded.

MARGARET DICKSON.—(H. P.) Magnificent form; white, with pale flesh center; petals very large, shell-shaped, and of great substance; fragrant.

MRS. JOHN LAING.—(H. P.) Very free flowering; color, a soft, delicate pink, with satiny tinge.

PAUL NEYRON.—(H. P.) Deep, shining rose, double and handsomely formed; blooms freely, the largest variety in existence.

PRINCE CAMILLE DE ROHAN.—(H. P.) Very dark, rich velvety crimson, passing to intense maroon, shaded black; regarded as the best of its color.

ULRICH BRUNNER.—(H. P.) A magnificent rose, extra large, bold flowers, full and globular; petals large and of good substance; color, rich, glowing crimson, elegantly flamed with scarlet.

CLIMBING AND PILLAR ROSES

Two-year-old bushes, 35c each (except as noted).

AARD'S PILLAR.— Rich velvety crimson; fine large, full flower, cupped form; a fine hardy, free-blooming, free-growing garden rose.

AMERICAN PILLAR — WICH.— A beautiful bright pink with yellow anthers. The splendid large single flowers are borne in great clusters. **Price, 2-year, 50c.**

CLIMBING BELLE SIEBRECHT.—(C. H. T.)— Flowers identical with bush type; vigorous climber; hardy.

CLIMBING KAISERIN (Mrs. Robert Peary)— Flowers fine, ivory white, of heavy texture, and large size.

CLIMBING LA FRANCE.— Identical with the well-known La France; vigorous climber.

CLIMBING LADY ASHTOWN.— Strong, vigorous climbing sport of this well-known valuable rose. **Price, 50c.**

CLIMBING MADAME CAROLINE TESTOUT Covered during the whole season with immense globular flowers of the same beautiful shade of pink as seen in the bush sort.

CLIMBING METEOR.— Rapid grower; rich, dark velvety crimson flowers.

CLIMBING PAPA GONTIER.—(T.) A "Native Sport" from the favorite bush "Papa Gontier".

CLIMBING WHITE MAMAN COCHET.— The introducer describes this as identical with the bush type; vigorous free bloomer **Price, 50c.**

DR. VAN FLEET.— A new Hybrid Climber of great beauty, bearing freely. Large, fully double blooms of a dainty flesh pink with rosy center flowers of perfect form with reflex petals and are carried on long stems, making this a desirable variety for cutting. Foliage is luxuriant bronze green. A cross of Pres. Carnot and Wichuriana. **Price, 2-year, 50c.**

DUCHESS D'AUERSTADT.— A splendid climber of the Marechal Neil type, being a more vigorous and hardy rose. Color is a fine rich yellow, flowers are large, full and open freely.

GAINSBOROUGH.— Graceful flower of dainty shell pink color and satiny finish. Hardy, ever-blooming and a free climber.

GLOIRE DE DIJON.— An old favorite, noted for its free flowering, its delicate tea scent, and its shades of color, being a blending of amber, carmine and cream.

MADAME ALFRED CARRIERE.— Extra large, full flowers, very double and sweet, and a most profuse and persistent bloomer; color, rich, creamy white, faintly tinged pale yellow and blush.

MARECHAL NEIL.— A magnificent deep golden yellow variety; so famous as to need no description; grown the world over for its immense yellow flowers; the finest rose of its color in existence.

PILLAR OF GOLD.— Rich golden yellow suffused copper and pink. Flowers are full, of fine form and delightfully fragrant. They are borne freely in clusters of from 5 to 10.

PINK CHEROKEE.— A grand new climbing rose, of rare beauty and undoubted merit and entirely distinct from any other climbing rose. The lovely single blossoms are 3 to 5 inches in diameter, saucer shaped and of a beautiful shade of light pink. **Price, 2-year, each 50c**

SILVER MOON.— A magnificent white climber, cross of Wichuriana and Cherokee, large, semi-double blooms of good substance with golden stamens. Flowers are carried on long stems, Foliage is abundant, delightfully fragrant, of a bronze green color and is immune to mildew. **Price, 2-year, each, 50c.**

Pillar Collection—Climbing Roses

Two-year-old plants, 35c each.

BEAUTY OF GLAZENWOOD.— Bronzed yellow or copper and fawn color. One of our grandest climbing roses. Very hardy and a free bloomer.

CLIMBING CECIL BRUNNER.— Strong rampant climber, ever-blooming clusters of pretty pink flowers, especially beautiful in bud. A gem among climbing roses.

LA MARQUE.— Flowers of good size, borne in large clusters; color, pure white.

REINE MARIE HENRIETTE.— A strong, vigorous grower; flowers large, full, and of fine form; color, glowing crimson, elegantly shaded.

REVE D'OR (Climbing Safrano).— Color apricot yellow, with orange and fawn tints; petals of superb and delicate texture.

WILLIAM A. RICHARDSON.— Color, rich coppery yellow, flushed with carmine; a very beautiful variety, having few equals.

Moss Roses

These old-fashioned Roses are coming into favor and we offer the following as best of their colors.

Price, each, 35c; dozen, $3.00.

BLANCHE MOREAU.— Flowers pure white, large, sweetly perfumed; Best white Moss Rose.

CHAPEAU DE NAPOLEON.— Splendid rich red, best of its color.

CRESTED MOSS.— Bright rose, light edging, well mossed.

SALET.— Color, lovely satin rose; very full and of great beauty; one of the best,

THE POPULAR RAMBLER ROSES

The Rambler Roses are strong, vigorous climbers, growing ten to twelve feet high in one season. They bear immense clusters of beautiful, fragrant flowers.

Two-year-old plants, 35c each.

DOROTHY PERKINS.— Polyanthus type; color a beautiful bright shell pink; flowers large, very double; petals prettily crinkled; blooms in large clusters of 30 to 40; a splendid keeper.

FLOWER OF FAIRFIELD.— Everblooming crimson rambler, brilliant crimson, base of petals white, flowering in great profusion perpetually throughout the season. **Flower of Fairfield** is a true, everblooming, **Crimson Rambler,** a splendid grower and a great improvement over the old type; strong field-grown plants.

PHILADELPHIA RAMBLER.— An improved type of the favorite Crimson Rambler; color, deeper, more brilliant and lasting; flowers perfectly double, borne in great profusion, much earlier than the old type; vigorous, luxuriant foliage, not so susceptible to mildew.

TAUSANDSCHAUN.— A lovely shade of soft pink, free blooming; a vigorous climber with splendid foliage.

VEILCHENBLAU (Blue Rambler).— This is the Blue Rambler which created such a furore in Europe. It is a seedling from Crimson Rambler with semi-double flowers produced in very large trusses. The flowers first open pink, but quickly change to a violet, or steel blue. Totally distinct and a wonderful Rose for pillar and porch decoration.

WHITE RAMBLER.— Flowers pure white, sometimes faintly tinged blush; flowers borne in immense clusters; very vigorous.

Dorothy Perkins

WHITE DOROTHY.— As its name indicates, it is a sport from Dorothy Perkins, possessing all the fine qualities of that grand variety, but having pure, snow white flowers. This rose, we believe, will become a fixture in the list of climbing roses.

YELLOW RAMBLER.— Same type and growth as Crimson Rambler, except for color, which is a pure, bright yellow.

DWARF BABY RAMBLER—(Dwarf Bush Type) A dwarf Crimson Rambler not over 18 inches high, producing large trusses of light crimson flowers; clean dark green foliage; it will flower the year around.

Standard, or Tree Roses

Price of all Tree or Standard Roses, $1.00 to $2.00 each, according to size of head. Tree roses are budded, or grafted on hardy rose stocks about four feet high. They soon make good sized heads, forming a small tree; especially desirable for planting as single specimens, in backgrounds or rows along walks or driveways.

Order any color or variety you wish and we will send it or give you as good a substitute as possible. We aim to have the following varieties in stock:

Dean Hole
Mad. Ravary
Betty
Gloire de Margottin
Cli Cecil Brunner
Franz Diegan
Lyon
La France
K. A. Victoria
Mad. Caroline Testout
Ulrich Brunner
Grus an Teplitz
Papa Gontier
Perle des Jardines
Maman Corbet
Maman Cochet White
Safrano
Mrs. Jno. Laing.
F. K. Druschki
Baby Rambler
Hugh Dickson
Gen. McArthur
Dorothy Perkins
Mad. Abel Chatenay

APHISCIDE The Best Summer Spray for **ROSES**—PRICES: Qts., 25c.; Gal. 60c
READY FOR USE

Alphabetical List of Roses

	Price	Page
Aard's Pillar, H. T	$0.35	40
American Beauty, H. P.	.35	39
American Pillar	.50	40
Avoca, H. T	.40	38
Bessie Brown, H. T	.35	39
Baroness Rothschild, H. P	.35	39
Baby Rambler, Poly	.35	41
Belle Siebrecht, H. T	.35	39
Betty, H. T	.40	38
Blue Rose, Poly	....	40
British Queen	1.00	36
Cecile Brunner, Poly	.35	39
Clara Watson, H. T	.35	39
Climbing Roses	....	40
Conrad F. Meyer, Rug	.35	39
Countess of Gosford, H. T	.40	38
Countess of Shaftsbury, H. T	.75	37
Dean Hole, H. T	.35	39
Dorothy Page Roberts, H. T	.50	38
Dorothy Perkins, Poly	.35	41
Duchess d'Auerstadt	.35	40
Duchess of Portland, H. T	.50	38
Edward Mawley, H. T	.75	37
Etoile de Lyon, T	.35	39
Florence Pemberton, H. T	.40	38
Franz Deegan, H. T	.40	38
Frau K. Druschki, H. P.	.35	39
Flower of Fairfield, Poly.	.35	41
Gen. MacArthur, H. T.	.40	38
George Dickson, H. T	1.50	36
Grus an Teplitz, H. T	.35	39
Gen. Jacqueminot, H. T.	.35	39
Gloire Lyonnaise, H. T.	.35	39
Gloire Chedane Guinoissea	.50	37
Hugh Dickson, H. P	.40	38
Hon. Ina Bingham, H.T.	.35	39
Irish Elegance, S	.50	37
Irish Simplicity, S	.50	37
J. B. Clark, H. T	.40	38
Joseph Hill, H. T	.50	38
Jonkheer, J. L. Mock, H. T	.50	38
Juliet, H. B	.50	36
Killarney, H. T	.40	38
Kais. A. Victoria, H. T.	.35	39
Lady Alice Stanley, H. T	.50	37
Lady Hillingdon, T	.75	37
Lady Mary Ward, H. T.	1.50	36
Lady Ashtown, H. T	.40	38
Lady Battersea, H. T	.35	39
La France, H. T	.35	39
Le Progress, H. T	.50	38
Lyon, Pern	.50	38
Lady Roberts, T	.40	39
La Detroit, H. T	.35	39
Madam Ravary, H. T	.40	38
Mad. Leon Pain, H. T	.40	39
Mad. Abel Chatenay, H. T	.35	39
Mad. Caroline Testout, H. T	.35	39
Mad. Melaine Soupert, H. T	.50	38
Mad. Phil Rivoire, H. T.	.40	38
Mad. Segond Webber, H. T	.40	38
Maman Cochet, T	.35	39
Margaret Dickson, H. P.	.35	39
Marie van Houtte, T	.35	39
Mrs. Aaron Ward, H. T.	.50	37
Mad. Edw. Herriott	1.50	36
Mable Morrison, H. P.	.35	39
Marquise de Sinety, H. T	.50	38
Mildred Grant, H. P	.40	38
Mrs. David McKee, H.T.	.50	38
Mrs. A. R. Waddell, H. T	.50	38
Mrs. Charles E Allan, H. T	.75	37
Mrs. David Jardine, H. T	.40	38
Mrs. Foley Hobbs, T	.75	37
Mrs. John Laing, H. P.	.35	39
Mrs. R. G. S. Crawford, H. P	.35	39
Moss Roses	.35	40
My Maryland, H. T	.35	39
Old Gold, H. T	1.50	37
Orleans, Poly	.35	39
Papa Gontier, H. T	.35	39
Paul Neyron, H. P	.35	39
Pharisaer, H. T	.50	38
Pink Cherokee, S	.50	40
Prince de Bulgarie, H. T.	.40	38
Prince C. de Rohan, H.P.	.35	39
Perle de Jardins, T	.35	39
Queen Mary, H. T	1.50	37
Rayon D'Or, Pern	.75	37
Reine Mere d'Italia, H. T	.60	37
Richmond, H. T	.35	39
Rainbow, H. T	.35	39
Ramblers	....	41
Safrano, T	.35	39
Souv. de P. Notting, T.	.35	39
Souv. de Pres. Carnot, H. T	.35	39
Sunburst, H. T	.75	37
Tree Roses	....	41
Ulrich Brunner, H. P.	.35	39
Viscountess Folkstone, H. T	.35	39
White Killarney, H. T	.40	38
White La France, H. T.	.35	39
White Maman Cochet, T	.35	39
Wm. R. Smith, T	.40	38

Flower Pots

We carry a large and complete line of standard red clay Flower, Fern, Azalea Pots, Bulb Pans and Hanging Baskets and can make prompt deliveries at right prices.

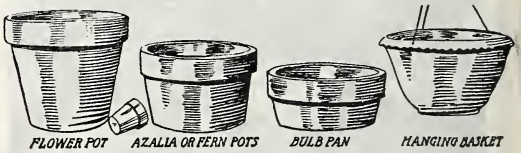
☞Florists, nurserymen and growers should send list of requirements for Special Prices.

FLOWER, FERN, AZALEA POTS OR BULB PANS ALL SAME PRICE.

Size	Each	Dozen	Saucers Each
2 inch	**$0.02**	**$0.20**	
3 inch	**.03**	**.30**	
4 inch	**.04**	**.40**	**$0.03**
5 inch	**.07**	**.70**	**.04**
6 inch	**.10**	**.90**	**.05**
7 inch	**.12**	**1.20**	**.07½**
8 inch	**.15**	**1.75**	**.10**
9 inch	**.25**	**2.50**	**.15**
10 inch	**.40**	....	**.20**
12 inch	**.60**	....	**.35**
14 inch	**1.50**	....	**1.00**
16 inch	**2.25**	....	**1.25**

PAPER FLOWER POTS FOR FLORISTS

Low in price, Moisture proof, Unbreakable, Light, Convenient.	100	1000
2½ inch	**$0.60**	**$5.50**
3½ inch	**1.00**	**9.00**



Foster Rose Tubes

For Rosarians and Cut Flower Exhibitors

FOR SHOWING ROSES

The Foster Exhibition tubes with adjustable clips, enable you to transfer flowers from one position to another without disturbing their arrangement. A wire holds the flower firmly in any desired position. Tubes afford an ample supply of water close to the rose. Used at all English shows.

Price, each, 25c; doz., $2.75.

HANGING BASKETS

These are well made and are better than wire baskets, as plants do not dry out so quickly.
8-inch, each, 30c; doz., $3.00. 10-inch, each, 40c; doz., $4.25; 12-inch, each, 60c; doz., $6.50.

☞ NOTE.—At above prices we will pack the pots carefully, but buyer must pay freight or express charges. We buy in carload lots and the wholesale trade, florists and nurserymen are requested to send for special prices, stating number wanted.

Climbing Vines

CLEMATIS

Clematis is one of the most beautiful and useful climbers, the several varieties adapting themselves to every requirement. Their magnificent flowers, borne in great profusion in beautiful shades of lavenders, purples, reds, and white, make them especially attractive. Clematis requires a rich loamy soil, but manure should not touch the roots. Cut out the weak and surplus branches in the spring, and tie the vine up well to its support. We offer the best of the hardy large flowering varieties.

RAMONA—Beautiful lavender, best of its color.

MONTANA—White, anemone-like flowers, May to July; very hardy, rapid grower.

HENRYI—Fine, large, creamy white flowers; a strong grower and very hardy.

JACKMANII—Intense violet purple, with a rich velvety appearance; distinctly veined. The most popular and finest Clematis we have.

MAD. ED. ANDRE—A beautiful, new variety; flowers red, large and abundant.

Choice plants of above sorts, each, 60c. Large plants, each, 75c to $1.00, postpaid.

CLEMATIS PANICULATA—A strong, rapid and vigorous grower; it produces sheets of medium-sized, pure white flowers of the most pleasing fragrance; it is perfectly hardy and well adapted for covering trellises or fences.

Choice plants, each, 35c to 40c; large 50c to 60c.

Honeysuckle

BELGIAN—Flowers yellow, blotched with red above; blooms all summer, fragrant. **Each, 50c.**

JAPANESE—Evergreen; fragrant flowers, white changing to yellow. **Each, 35c.**

HALL'S—Evergreen, very popular; white turning to yellow. **Each, 50c.**

Jasmine

JASMINE NUDIFLORUM—Branches drooping, enveloped with bright yellow flowers before leaves appear. **Each, 50c.**

GARDENIA FLOWERED, CAPE JASMINE—Free-blooming, pure white flowers, star shaped; foliage delicate; evergreen. **Each, 50c.**

Ampelopsis

VEITCHEII "Boston Ivy"—Leaves glossy green, coloring bronze in fall; flowers small; berries deep blue. **Each, 35c.**

QUINQUEFOLIA "Virginia Creeper"—Common American Ivy. **Each, 35c.**

Trumpet Vine

BIGNONIA GRANDIFLORA (Trumpet Vine)—Strong climber; deciduous; flowers orange-scarlet. **Each, 50c.**

BIGNONIA TWEEDIANA—Evergreen, clinging; flowers canary yellow. **Each, 50c.**

Dutchman's Pipe

ARISTOLOCHIA SIPHO—A handsome bright green luxuriant vine, having large foliage and brownish, pipe-shaped flowers. A strong, rapid grower, valuable for trellis, porch or arbor. **Strong Plants. Each, 50c.**

KUDZU VINE—A very rapid climber with large heavy foliage; bearing purplish flowers in racemes; during late August.

Strong roots, 35c; doz., $3.00.

English Ivy

Large, thick, shining, leathery leaves. **Each, 25c.**

Wistaria

W. Sinensis—Chinese Wistaria—One of the most elegant and rapid growing of all climbing plants; grows 15 to 20 feet in a season; has long pendulous clusters of pale blue flowers in May and June and in autumn.

Choice plants, each, 35c to 50c; large, 75c to $1.50.

W. MULTIJUGA—Similar to above, but flowers are darker. **Each, 75c to $1.50.**

W. BRACHYBOTRYS—White flowering. **Each, 75c to $1.50.**

VINCA—Variegated—The broad glossy leaves, margined creamy white, with a free trailing habit, make Vinca one of our most useful plants for porch boxes, vases, etc. **Price, 15 and 25c.**

"Diamond" Fancy Lawn Mixture

Growing tests have proved our "Diamond Quality" Lawn Grass to be superior to any other mixture for our Western soils and climate; it is also free from chaff and foul seeds, weighing 23 pounds to the measured bushel. This is a guarantee of clean, plump seeds, as cheap chaff seed is very light.

Price, per lb., 45c; postpaid, freight or express, per lb., 35c; 10 lbs., $3.25

Sow one pound to 400 square feet, 10 to 15 pounds to a 50-foot lot.

WRITE US FOR SPECIAL MIXTURES FOR TERRACES, SHADY PLACES, DRY OR WET LAND.

Fruit and Ornamental Trees
Shrubs and Plants

Deliveries can be made from October until June, but orders are accepted at any time for delivery in Season.

PLANTING AND CARE OF STOCK

WE use every precaution to deliver **healthy**, vigorous stock, but the measure of your success will depend upon the planting and care given, as careless or ignorant handling kills thousands of fine trees and plants every season. Avoid unnecessary exposure of roots to the air. In the case of evergreens that are "balled," **do not remove the burlap.** Plant as received, only cut the string around the top, then **loosen the burlap after the tree is set.** If you cannot plant immediately on receipt, **always "heel" in the trees so their roots may be in contact with good soil.**

The Modern Type of Properly Pruned and Well Grown Fruit Tree.

An hour's exposure of roots to wind or sun may kill any tree; this is especially true of evergreens. In planting cut off the bruised or broken roots with a sharp knife.

If the soil is good and properly prepared, only a hole large enough to easily take the roots need be dug, but better results can always be obtained by digging out a large space and filling in with good top soil. In setting the trees, do not put deeper than they stood in the nursery, excepting some dwarfs, which go a little deeper. But now comes the important detail, the neglect of which is responsible for many failures—

Be sure to pack the earth solidly around the roots. Leaving the ground loose after planting has caused tremendous losses that are generally and unjustly blamed to the nurseryman. Another cause of great loss is the wind working the newly set trees loose from the soil. This kills them. Always stake newly set trees if in a windy situation. After trees are set, make a plan of the grounds, marking the different varieties, then remove the wire labels, as they may damage the growing limb

PRINCIPLES of FRUITGROWING
By **BAILEY**
516 Pages, Cloth **Post paid $1.65**

KEEPING TREES OVER WINTER FOR SPRING PLANTING.

This can easily be done by following the simple instructions given below:

Select a well-drained spot where the soil is mellow, and dig a trench deep enough to cover the roots well; put in one layer of trees, placing them so they will not be erect but at a decided angle; pack the dirt firmly about the roots, then place the next layer. When trees are all "heeled" in, cover the tops with boughs or bank up the earth over them. Be sure there is no grass or rubbish near to harbor mice. In mild situations where winters are not severe, do not bury or cover the tops; simply "heel in." Trees thus kept on hand ready for planting as soon as the frost is out of the ground will be found well preserved and are more sure to grow than later spring planting. Besides, you get better service by ordering in the early fall as stocks are more complete.

☛ If trees are frozen in transit, do not unpack, but set away in a cool cellar and allow them to thaw gradually. Trees or roses that are dried out and shriveled should be buried, tops and all, in moist earth for a few days. This will restore them.

FRUIT STOCK

IN THE purchase of fruit stocks great care should be given to the selection of varieties that will meet your conditions and requirements, as many that thrive and bear abundantly in one section often prove disappointing under variable conditions. Also many splendid sorts for home use are totally unsuited for profitable marketing. For this reason we offer a large assortment of improved varieties carefully tested and selected for their special merits and their adaptability to varying conditions, and if you will state whether you intend growing for distant or local market or for home use, giving location and general conditions, we can recommend or assist in the selection of those varieties that will give you best results.

APPLES

☛ **This is the year to plant Apple trees.** Stocks were never better and **prices are very low.** Write for quotations on large orders.

Prices of standard commercial varieties except where noted:

	Each	Per 10	Per 100	Per 1000
First Grade, 2 yr	**$0.25**	**$2.00**	**$15.00**	**$125.00**
First Grade, 4 to 6 feet	**.20**	**1.75**	**14.00**	**110.00**

SUMMER VARIETIES

EARLY HARVEST
Medium size; bright straw color; tender and fine; good for table and cooking. July.

GOLDEN SWEET
Large, pale yellow, tender and rich; good for cooking; fine bearer. August.

GRAVENSTEIN
Large, beautifully dashed with deep red and orange; tender and crisp, with a highly aromatic flavor; tree very vigorous. August.

RED JUNE
Medium, oblong, deep red; excellent for table use; one of the best early apples.

RED ASTRACHAN
Large, deep crimson, flesh white, moderately juicy, with an agreeable rich acid flavor; very productive. August.

YELLOW TRANSPARENT
Medium size, roundish, slightly conical; skin pale yellow; flesh tender, juicy, sub-acid; good; bears at an early age. July.

AUTUMN VARIETIES

RAMBO
Medium, yellowish white, streaked yellow and red; tender, rich and sub-acid; very productive. September to November.

WAXEN
Fruit medium; skin pale yellow; flesh crisp, tender, juicy, sharp acid; one of the best for drying. October.

FALL PIPPIN
Yellowish green; good cooking apple. September.

MAIDEN'S BLUSH
Medium, well shaped; yellow, with a very distinct red cheek on the sunny side; flesh white; pleasant sub-acid flavor; excellent for table or cooking. September.

TWENTY OUNCE
Large and showy; good, though not highly flavored; flesh coarse, brisk sub-acid. October.

FAMEUSE
(Snow Apple.) Medium, roundish, greenish yellow, with streaks of deep red on sunny side; flesh remarkably white; fine dessert fruit. October to December.

GOLDEN RUSSET
Medium, dull russet, with a tinge of red; flesh crisp, juicy and highly flavored. September.

GLORIA MUNDI
Large green, fine sauce apple. Last of September.

WINTER VARIETIES

ARKANSAS BLACK
Medium, round; yellow where not covered with a beautiful dark maroon, approaching black; flesh firm, fine grained, juicy; a long keeper. December to April.

BALDWIN
Large, rounded; deep, bright red; very productive; crisp, fine flavor; one of the best and most popular winter apples. November to February.

BEN DAVIS
Medium to large; yellowish, overspread with red; flesh white, tender, juicy; pleasant sub-acid; thrifty, upright grower. October to January.

LAWVER
(Delaware Red). Large, rounded flat, mild sub-acid, very heavy and hard; dark red; handsomest late keeper. December to May.

ORTLEY, OR WHITE BELLEFLOWER
White fleshed, fine grained conical fruit of superior flavor; one of the best. December to April.

HYDE'S KING OF THE WEST
Large to very large; handsome yellowish green; good quality; a remarkable keeper; a very popular sort in some sections. November.

ROXBURY RUSSET
Medium, dull green and russet; flesh greenish white, rich sub-acid flavor. October to January.

RED CHEEK PIPPIN
Excellent variety; sub-acid flavor; yellowish green color; red cheek; large size; good bearer. Keeps till March.

ROME BEAUTY
Large, yellow, shaded with bright red; juicy and sub-acid; fine market sort; good bearer. November to February.

WEALTHY
Medium, whiteish yellow, shaded with deep red; flesh white, tender and juicy. October.

WINESAP
Medium yellow ground, streaked with red; flesh yellow, with rich, high flavor; excellent for table and making cider. December to April.

WOLF RIVER
Large and handsome; greenish yellow shaded with dark and light red; tree a strong grower and good bearer. September to November.

WAGENER
Good size; deep red in the sun; flesh firm and fine grained; good keeper; sub-acid; excellent filler: requires thinning. October to December.

STARK
Large, greenish yellow, shaded and splashed with dark red; flesh yellowish, juicy, mild sub-acid; a long keeper and profitable market fruit; thrives in California. December to March.

TALMAN'S SWEET
Medium size, pale, whitish yellow, tinged with red; flesh firm; rich and very sweet; best to preserve; vigorous, productive. November to April.

YELLOW BELLEFLOWER
Large, oblong, yellow, sometimes a blush in the sun; flesh firm, crisp, juicy, sub-acid; tree a good grower and very productive; succeeds well in this valley. October to January.

SPITZENBERG
Large, oblong; yellowish ground with broken stripes of bright red; flesh yellowish, juicy, delicious rich flavor. November to March.

JONATHAN
Tree vigorous, long lived and an early bearer. Fruit beautiful red and oblong; fine quality. Valuable as a pollenizer with Spitzenberg and Newtown. October to January.

WINTER APPLES—Continued

KING
Large and handsome, striped red and yellow; tree vigorous and productive. November to December. Good mountainous apple.

MAMMOTH BLACK TWIG
Very large; bright red, pleasant sub-acid; fine late keeper; fine, vigorous tree. November to January.

NORTHERN SPY
Large, round, greenish yellow, stripes of purplish red; flesh white, juicy, brisk sub-acid; valuable for "top work." Requires good soil. December.

McINTOSH RED
A seedling of the Fameuse; bright red, flesh white, very tender and delicious. Long lived and very productive. Adapted to Montana. November.

RHODE ISLAND GREENING
Large, greenish yellow; flesh yellow, fine grained, tender, crisp, juicy and aromatic; excellent for cooking and table. October.

YELLOW NEWTOWN PIPPIN
Large; skin smooth, golden yellow; flesh firm, crisp, juicy; one of the standard varieties for export. December to May.

GRIMES GOLDEN
Very popular. Rich golden yellow; flesh tender, juicy and rich. Tree hardy and vigorous, bearing young. November to December.

DELICIOUS
A splendid apple; coming into prominence rapidly. Tree vigorous and hardy and the fruit equals the name in every respect. Fine for market and home use and especially adapted to Eastern Oregon and Washington. Keeps till April.

STAYMAN WINESAP
A seedling of the Winesap. Yellow striped with red. Flesh firm, crisp, juicy and very tender and rich, sub-acid. A drougth resister; a profitable market variety. January, May.

LADY APPLE
A novel, dainty, small flat apple; red cheek. Good Christmas fruit. Tree upright and vigorous.

KING DAVID
A cross between Jonathan and Arkansas Black. Color deep, rich red. Tree a young and heavy bearer. November to March.

SALOME
Early and annual bearer; very hardy; fruit medium and uniform; quality good. November.

GANO
Fruit is a bright red on yellow ground, large oblong, smooth. Tree vigorous and prolific bearer. Fine keeper. November to April.

WINTER BANANA
Fancy market fruit; pale yellow with pink blush. Has a delightful aroma and sugges tive banana flavor. Not a good shipper. November.

NEW VARIETIES OF APPLES

Note prices following each variety. Nice stocky trees.

WINTERSTEIN
A winter apple of the Gravenstein type; flesh yellowish, very tender, rich, spicy, sub-acid, highest quality, with a flavor all its own. **Price, each, 60c**

OPALESCENT
Probably the handsomest apple ever introduced. Color light, shaded to a very dark crimson; skin smooth; susceptible of a very high polish reflecting objects like a mirror; flesh yellowish, tender, juicy and good. **Price, each, 60c**

MULTNOMAH (New)
A grand new sort; a hybrid between the American Pippin and Rome Beauty. Originated by H. A. Lewis. Fruit large; color red, striped yellow; flesh white and fine and of sub-acid flavor; extra long keeper and in its prime from February to June; the coming apple for long distance shipment and Oriental trade. **Price, each, 50c**

ARKANSAS BEAUTY
A southwestern beauty of great promise as a market variety, and by many considered the most beautiful of all apples. A rich sub-acid of finest quality. Keeps till March. **Price, each, 75c**

ONTARIO
A cross between Wagener and Northern Spy. Fruit large to very large; flavor a brisk sub-acid, sprightly, slightly aromatic; season mid-winter to late. **Price, each, 60c**

CLAYTON
Winter; large, yellow, striped red; productive. December to January. **Price, each, 25c**

BISMARCK
The apple novelty; everyone should try it; tree of short, stocky growth, thick, healthy foliage; fruit large, handsome, yellowish sometimes shaded red cheek; flesh tender, pleasantly sub-acid; entirely new; seldom failing to bear when two years old. September. **Price, each, 25c**

CRAB APPLES

Nice stocky trees, each, 25c. per 10, $2.25

FLORENCE
Large, handsome; red striped; early; good annual bearer, juicy and crisp; fine for the home garden. September 1.

MARTHA
Glossy yellow, shaded to red; fine for cooking and fair for eating fresh; tree handsome, vigorous and hardy. September.

TRANSCENDENT
Very large, pleasant flavor and good for cider; yellow striped red. Very productive. Adapted to Montana. September.

YELLOW SIBERIAN
Fruit small, fine golden yellow. Good. August.

HYSLOP
Large, deep crimson; tree hardy, fine for the West. November, January.

RED SIBERIAN
Yellow with scarlet cheek. Bears young and abundantly. September.

WHITNEY NO. 20
Tree thrifty, upright grower. Fruits large, striped; flesh firm and juicy. Very good. August.

DWARF FRUIT TREES

THESE are ideal for home gardens; come into bearing early and yield large crops of choicest fruits. Forty Dwarf Trees can be planted in a space 50 feet square and will not shade the ground, which can be cultivated between the trees. For best results Dwarf Trees must be planted in good rich soil and be well cared for; they should be pruned back about two-thirds of their new growth each spring.

DWARF APPLES

Baldwin, Jonathan, Yellow Transparent, Gravenstein, Wealthy, Bismarck, Rome Beauty, Red Astrachan

DWARF PEARS

Bartlett, Fall Butter, Comice, Beurre de Anjou, L. B. de Jersey, Shelton

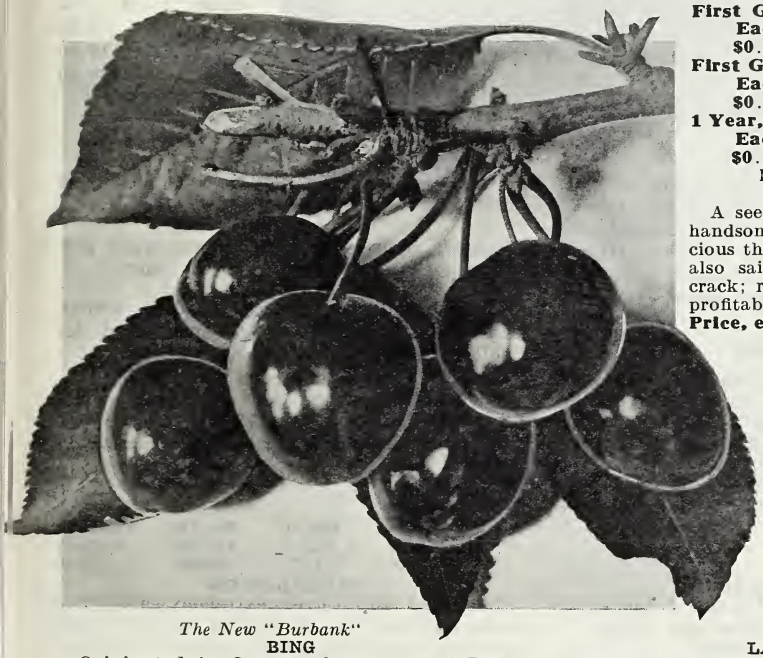
Price, each, 35c; 10, $3.25; 100, $30.00

Dwarf Fruit Trees

Make profitable "fillers" for young orchards and are best for Home Gardens

Our stock is large—varieties and quality the finest.

CHERRIES



The New "Burbank"

First Grade, 2 years

Each	Per 10	Per 100	Per 1000
$0.50	$4.00	$30.00	$———

First Grade, 1 year, 4 to 6 feet—

Each	Per 10	Per 100	Per 1000
$0.40	$3.50	$25.00	$200.00

1 Year, 3 to 4 feet—

Each	Per 10	Per 100	Per 1000
$0.25	$2.00	$17.50	$150.00

New—ABUNDANCE
(Burbank Production)

A seedling of Royal Anne; larger, handsomer, sweeter and more delicious than this great favorite, and is also said to be firmer and not to crack; ripens a week later, twice as profitable to grow as Royal Anne. **Price, each, 1 year, 4 to 6 ft., $1.00**

New—THE "BURBANK"

Luther Burbank describes this as the largest of all early cherries and unsurpassed in quality; a rich, fine flavored dark red cherry, sweeter than other early varieties; a good shipper, vigorous grower and never failing producer. Foliage is large and so placed as to protect the fruit from rain and birds. **4 to 6 feet—select trees each, $1.00; dozen, $9.00**

BING

Originated in Oregon, from seed of Black Republican; fruit large, dark brown or black; very fine; late; a good shipping variety. July.

BLACK REPUBLICAN (Lewelling)

Seedling, raised by Seth Lewelling, of Oregon; large size, black, sweet, with purplish flesh; late and a good shipper. June.

KENTISH (Early Richmond)

Dark red, juicy; one of the best sour cherries and unsurpassed for cooking purposes; very productive. Mid-May.

LATE DUKE

Large, light red; late and excellent, sub-acid. Late July.

OREGON

Large, black, solid, free, vigorous and productive; a fine shipper. July.

ROYAL ANN

(Napoleon Bigarreau.) A magnificent cherry of the largest size; pale yellow, becoming amber in the shade; richly dotted and spotted with deep red, and with a bright red cheek; flesh very firm, juicy and sweet; tree a rapid grower and immense bearer. July 1.

LAMBERT

Fruit of largest size and of fine quality; color deep, rich red; flesh firm and of fine flavor; a fine market variety; ripens two weeks later than Royal Ann. Mid-July.

MAY DUKE

Large, rich, dark red; flesh tender, juicy and sub-acid; an excellent variety, and one of the earliest of its class. May.

MILLER'S LATE

This new cherry resembles the Late Duke in color, shape and flavor, but it is a larger and later variety, which makes it very valuable and desirable. August. **Price, each, 60c**

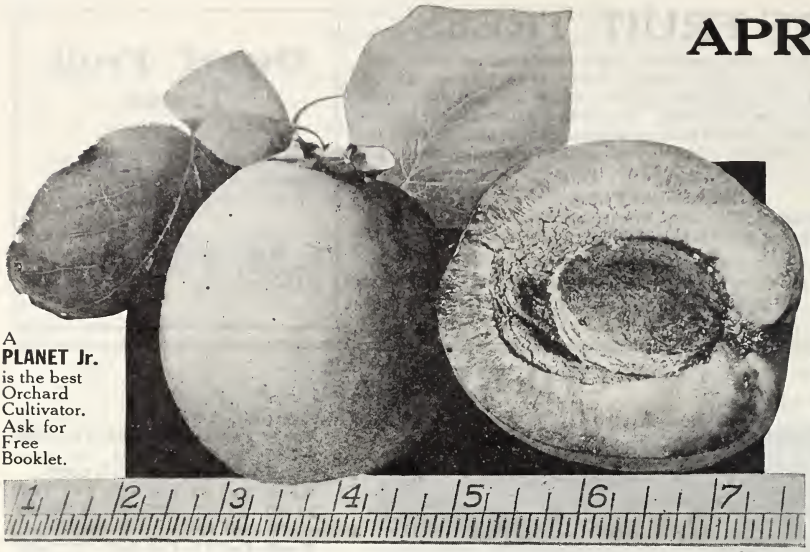
NEW GIANT

Claimed by the originator to be equal in every way to the famous Lambert, but to possess the good points of being a larger and later cherry. A strong, vigorous grower; heavy cropper. **Each, $1.00; large trees, $1.50**

ROCHALINE (New)

A new German cherry, larger and redder than the Royal Ann; better shipper and more prolific bearer. July. **Each, 60c**

APRICOTS



A **PLANET Jr.** is the best Orchard Cultivator. Ask for Free Booklet.

The Lewis Apricot here illustrated is the largest, handsomest and one of the hardiest, best-flavored apricots.

Prices except where noted:

First Grade, 4 to 6 feet.

Each	**$ .25**
10	**2.25**
100	**17.50**
1000	**150.00**

THE LEWIS

The new Lewis Apricot is the largest, strongest growing, best yielding, best flavored apricot we have ever seen, and is perfectly hardy. Grown extensively in the "Goodnoe Hills" district. July, August.

Special prices in large lots. **Price, each, 35c, 10, $2.50, 100, $20.00**

MOORPARK

Very large, yellowish green, brownish red on the sunny side; flesh bright orange; fine for canning and drying; July, August.

ROYAL

Above medium size; sweet, rich, juicy; good dryer and canner. July.

TILTON

Large; rich color, high flavor; very productive; similar to Royal; later. July.

BLENHEIM

Deep orange, sometimes blushed; tender, rich and juicy. Tree vigorous. Good for Pacific Coast. Last of June.

HEMSKIRKE

Large, flesh bright orange; tender, plum like flavor. July.

PEACHES

	Each	Per 10	Per 100	Per 1000
First Grade, 4 to 6 feet	**$0.25**	**$2.00**	**$17.50**	**$160.00**
First Grade, 3 to 4 feet	**.20**	**1.75**	**15.00**	**140.00**

EARLY ALEXANDER

One of the largest and best of the extra early varieties. Almost freestone. July.

EARLY CHARLOTTE

Hardy, medium early, excellent flavor; originated in Oregon. Freestone.

EARLY CRAWFORD

Very large, yellow, with red cheek; flesh sweet and excellent; our most popular peach for table and canning; freestone. August.

ELBERTA

Very large, bright yellow, red cheek; flesh yellow; juicy, sweet; regular bearer; fruit very showy and perfect; freestone. Late July.

FOSTER

Large yellow, dark red on the sunny side; very rich, juicy and early; freestone. Late July.

LATE CRAWFORD

Very large, roundish; yellow, with dark red cheeks; flesh deep yellow; juicy and melting; flavor rich and excellent; freestone; valuable for canning and drying. September.

MUIR

Large, pale yellow; very firm and sweet; best for drying; freestone. August.

MAYFLOWER

Beautiful red all over; extremely early; tree hardy and healthy. Should be in every home and commercial orchard. Last of June. Freestone.

CHAMPION

Large, cream white, slightly blushed. Tree hardy; should be in every orchard. July. Freestone.

HEATH'S CLING

One of the best of the clings. Very large; creamy white, with slight red; flesh white. September.

TUSCAN CLING

Very large; yellow, blushed red. Vigorous and strong grower. July and August.

CROSBY

Medium; rich orange with slight red blush; freestone, pit small, flesh yellow, sweet and juicy. Good shipper; rank grower. Ripens before Crawfords Late.

KRUMMELL OCTOBER

A magnificent peach; very profitable. Ripens two weeks after Salway, but far better; a good keeper. Free from bitterness, very firm and fine texture. Tree vigorous, hardy. Good for State of Washington. Freestone.

Where conditions are right Peaches are a quick-growing, profitable orchard crop. There is always a ready market at a good price.

PRUNES

IF you can — **Grow Prunes** — the demand is always good and will increase every year as they can only be grown in certain sections, but where conditions are right they are easily and profitably produced.

	Each	Per 10	Per 100	Per 1000
PRICES—First Grade, 2 Years	$0.20	$1.80	$15.00	$125.00
First Grade, 1 Year, 4 to 6 feet	.15	1.35	12.50	110.00
First Grade, 1 Year, 3 to 4 feet	.15	1.25	9.00	80.00

ITALIAN — Fellemberg — Large oval, tapering at both ends ; dark purple ; flesh greenish yellow ; separates freely from the stone ; best for drying. August.

SILVER — Seedling of the Coe's Golden Drop ; tree vigorous and productive ; fruit large and superior ; excellent for drying or canning. September.

PETITE — French — Medium, egg shaped ; violet purple ; sweet, rich and sugary ; very productive ; standard variety for drying. August.

GIANT — Largest prune known ; fruit averaging 1½ to 2 ounces each ; retaining the good qualities of the smaller varieties.

HUNGARIAN — Very large ; dark red, juicy and sweet ; good shipper. August.

SUGAR — New — Tree vigorous grower ; early variety : fruit ripens 28 days before the French ; is four times as large and dries in half the time ; flesh tender and rich in sugar ; color dark purple. Early. August.

NEW STANDARD — (Burbank production) — Trees very large; gives enormous yield of large firm fruit; sweet, fine-grained and delicious; perfect free stone; skin purple.
Price, each, 50c; 100, $35.00

Sugar Prunes

PLUMS

Prices except where noted:	**Each**	**Per 10**	**Per 100**
First Grade, 2 years	$0.25	$2.00	$18.00
First Grade, 1 year, 4 to 6 ft	.20	1.75	15.00

ABUNDANCE — Fruit large and beautiful ; bright cherry ; flesh light yellow ; juicy, tender, sweet ; productive ; freestone. June.

BRADSHAW — Reddish purple, juicy and pleasant ; adheres partially to the stone. July.

COLUMBIA — Largest size, nearly globular ; brownish purple ; rich, sugary, freestone. August.

DAMSON — Small oval, blush purple ; flesh melting, rather tart. Tree very fruitful and hardy. August.

DAMSON — Shropshire — Medium size, dark purple ; very firm ; flesh greenish, juicy and rich. Vigorous. Late September.

MAYNARD — Dull red, large, round and firm ; rich and sweet ; sturdy, quick-growing, heavy-yielding variety ; extra fine ; ripens in July.
Each, $1.00.

YELLOW EGG — Very large ; skin of a deep golden color, but rather acid ; excellent for cooking ; very showy. August.

GREEN GAGE — Small round ; flesh pale green, melting and juicy ; freestone. Mid-July.

SATSUMA — Blood Plum—Quite popular, large, dark red from skin to pit, which is small, firm and juicy ; tree productive. Early July.

BURBANK — Medium ; globular ; cherry red, with lilac bloom ; flesh yellow ; bears very young. Late June.

PEACH — Very large ; skin brownish red, slightly coarse grained, but juicy ; freestone ; very popular. July.

WASHINGTON — A large plum ; skin dull yellow, with a pale crimson blush ; flesh firm ; very sweet and lucious ; freestone. Early August.

NECTARINES

PRICES: 4 to 6-ft., each, 25c; 10, $2.00; 100, $17.50

BOSTON

Large, deep yellow, bright blush; flesh yellow; very rich and luscious. Best for Oregon. August 1.

EARLY VIOLET

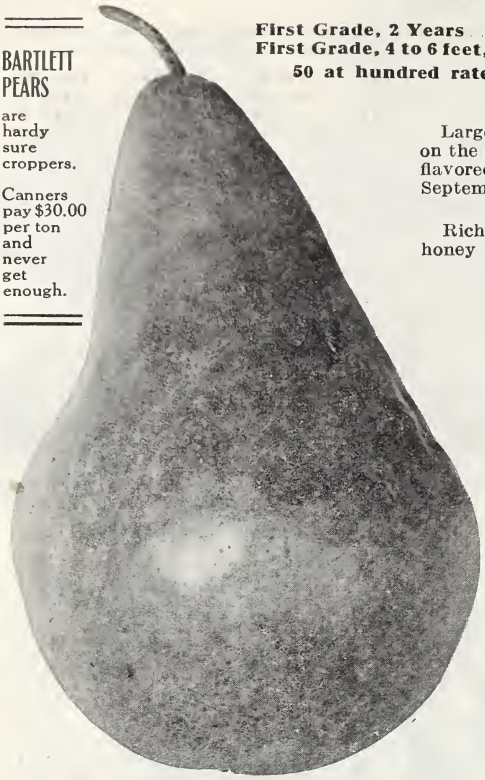
Medium; skin pale, shaded violet; flesh white; good. July.

Our **FERTILIZER BOOK** gives Analyses, Prices, Crop Requirements and much other Valuable Information that is Dependable and Helpful. **Let Us Send You a Copy FREE.**

PEARS

BARTLETT PEARS are hardy sure croppers.

Canners pay $30.00 per ton and never get enough.



	Each	Per 10	Per 100	Per 1000
First Grade, 2 Years	$0.40	$3.00	$25.00	$200.00
First Grade, 4 to 6 feet, 1 year	.30	2.50	20.00	175.00

50 at hundred rate—500 at thousand rate.

Bartlett.

Large; skin thin, clear, lemon yellow, with soft blush on the sunny side; flesh white, buttery, very juicy and highly flavored; the best Summer pear in existence. August, September.

Seckel.

Rich and highly flavored; its highly concentrated, spicy, honey flavor is unequaled; skin brownish green, russet brown cheek; flesh whitish, buttery and melting September, October.

Beurre Bosc.

Large, beautiful, russety; highly flavored; fine for shipping. September.

Louise Bonne De Jersey.

Large, greenish yellow, brownish red in the sun, marked with gray dots; flesh juicy, melting; very prolific. October.

Beurre Clairgeau.

Large, yellow, shaded with orange and crimson; covered with russet dots; flesh yellowish, buttery, juicy. September.

Beurre D'Anjou

Large, handsome, fine flavor; tree vigorous; heavy bearer; keeps till Christmas. September.

Fall Butter.

A favorite Fall pear; yellow, sweet and juicy. September.

Comice.

A splendid commercial variety, being of fine size; good appearance; ships well. October.

We can supply all Standard varieties of Pears, but list only those in greatest demand. If the variety you want is not listed, write us.

See page 47 for DWARF PEARS.

WINTER VARIETIES

ROOSEVELT (New)

Size very large, shape roundish. Flesh fine texture, juicy, melting. Ground color yellow, clouded with salmon rose. Season October. **Price, each, 75c**

LINCOLN CORELESS

Practically coreless; very late. Fruit should be picked when green. Large, quality good. Fairly hardy and good bearer.

CROCKER BARTLETT (New)

In shape, oblong, large and of a rich golden color. Skin rather thick but tender; flesh yellowish, buttery, juicy, sub-acid to sweet and very rich. Tree very vigorous, so far unblighted. October. **Price, each, 50c; per 10, $4.50.**

WINTER BARTLETT

This fine pear originated in Eugene, Oregon. Fruit large, closely resembling the famous Bartlett in shape and appearance, but ripening considerably later; flavor almost identical with the Bartlett; is undoubtedly one of the few pears of recent introduction of real merit. **Price, each, 50c; per 10, $4.50.**

BUERRE EASTER

Large, oval, yellow, with red cheek; excellent winter pear.

WINTER NELIS

Medium; skin yellowish green, dotted with gray russet; flesh yellowish white; fine grained, of a rich saccharine, aromatic flavor. December.

QUINCE

	Each	Per 10
First Grade, 2 Years	$0.50	$4.00

CHAMPION

Large, yellow; flesh cooks very tender; flavor is most delicious; more productive than the Orange. October.

APPLE OR ORANGE

Well known standard variety; early; large, golden yellow; good for preserving or flavoring. September.

PINEAPPLE

Flavor is suggestive of the pineapple; the fruit resembles the Orange quince; making superior jelly; can be eaten raw and has a most exquisite and delicious flavor, not equaled by any other quince. September.

TREE TANGLEFOOT FOR CATERPILLARS, MOTHS AND WORMS
Price: 1 lb. 30c; 3 lbs. 85c; 10 lbs. $2.65; 20 lbs. $4.80.
PROTECTS AGAINST ALL CLIMBING INSECTS. 1 LB. MAKES A BAND 9 FEET LONG.

GRAPES

Prices except where noted:
2-year Plants.....Each, $0.15; per 10, $1.50; per 100, $8.00; per 1000, $70.00

If wanted in large numbers, write for prices

CONCORD

Large, black grape; bunches compact; berries round, sweet and pleasant. August.

DELAWARE

One of the finest of our native grapes; grows freely and is perfectly hardy; ripens early; berries small, light red. August.

NIAGARA

Bunch medium; berry large, roundish, uniform; skin thin but tough; pale yellow; flesh tender and sweet; vine vigorous and productive; one of the best white grapes. September.

CAMPBELL'S EARLY

Berries large, nearly round, black, with light purple bloom; flesh rather firm but tender; quality rich, sweet, slightly vinous; a strong and vigorous grower. August.

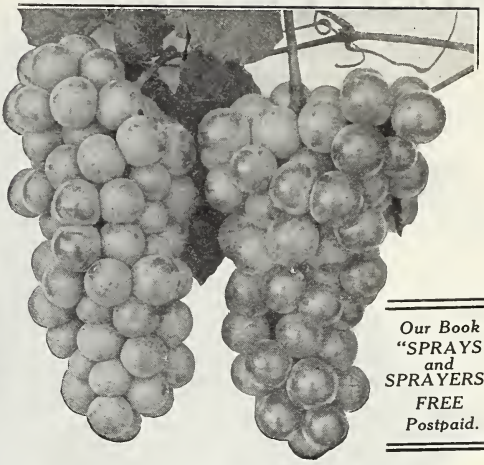
Price: 1 year, each, 20c; 10, $2.25.
Price: 2 years, each, 25c; 10, $2.00, 100, $15.00

MOORE'S DIAMOND

Bunches large; berry greenish white, flesh juicy and almost without pulp.

McPIKE (New)

Bunches are large and compact; grapes of uniform extra large size of a blue black, covered with bloom. Ripens evenly and is of perfect quality; hardy everywhere. September. **Price, 2-year, 25c; 10, $2.00**



Our Book "SPRAYS and SPRAYERS" FREE Postpaid.

MOORE'S EARLY

Bunch medium; berry large, resembling Concord, but more pulp and is earlier.

POCKLINGTON

Vine very vigorous, hardy and productive; bunch and berry of good size; color a light lemon yellow; flesh moderately tender, sweet. September.

WORDEN

Bunch very large and compact; berry large, black; an improved Concord. Late August.

Thompson's Seedless, Tokay, Muscat, Malaga and other European Varieties, Choice Plants at above Prices

CURRANTS

Currants are a profitable easily grown crop, and the market is always good.
Prices except where noted.....Each, $0.10; Per 10, $0.75; Per 100, $5.00; Per 1000, $45.00

New Varieties

PERFECTION

New; largest and most prolific Currant; bright red, rich flavor, mild sub-acid; no currant can approach in yield or quality this wonderful new currant.

Strong Plants, each, 15c; 10, $1.25; 100, $10.00

POMONA

A splendid new red variety; good keeper; has the record for acreage yield. About the size of Perfection and comes a little later.

Strong Plants, each, 15c; 10, $1.25; 100, $10.00

BELLE DE BOSKOOP

A splendid new black currant excelling in quality and productiveness. A hardy, vigorous, grower; the largest and best black currant. **Strong Plants, 3 yr., each, 35c; 10 for $2.50**

White Currants

WHITE TRANSPARENT

The best white currant known. To be classed with the Perfection red. Splendid for market and table use; berries large, having a rich flavor; mild sub-acid. Vigorous and very productive.

WHITE GRAPE

Large, yellowish white, valuable for the table.

BLACK NAPLES

Very large, black, rich, tender and fine for jellies and wine. Productive and vigorous.

Standard Varieties

CHERRY

Very large; deep red; fine for preserving; valuable market variety.

FAY'S PROLIFIC

Bright red, very sweet, stems longer than Cherry and fruit hangs on better than most varieties. To be planted with Cherry.

NORTH STAR

Strongest grower among red varieties; bunches average four inches in length; extra quality; very productive.

VICTORIA

Large, bright red bunches, very long; an erect grower; late, productive and very valuable.

BUSH FRUITS

Logan Berry

Loganberries are in big demand and orders should be placed EARLY.

The fruit is generally larger than the blackberry, often an inch and a quarter long; color dark red and produced in immense clusters. It partakes of the flavor of both the blackberry and raspberry, a mild, pleasant, vinous flavor, delicious and peculiar to this berry alone. Fruit ripens early, the bulk being gone before the blackberries or raspberries become plentiful. It is excellent for the table, eaten raw or stewed, and is excellent for jelly or jam. June.

Large, well-rooted plants: Prices: Two-year-old, 20c each, $2.00 per doz., postpaid; by express or freight, $1.65 per doz; $10.00 per 100.

One-year-old (tips), 15c each; per 12, $1.50, postpaid; by express or freight, $1.00 per 10; $8.00 per 100. Low prices by the thousand.

Burbank's Phenomenal

"Larger than the largest berry ever before known." Bright crimson raspberry color, productive as could be desired, and most delicious of all berries for pies, canning, jellies or jams. Sweeter than the Loganberry. Easily grown; stands shipping well, and hardy everywhere.

Compared with the Logan the color and general form are much the same the first season, particularly if the growing conditions have not been favorable, but when once established they have no equal in size quality or productiveness. July 1.

Prices: Two-year-old, 25c each; $2.50 per doz., postpaid; by express or freight, $1.75 per doz., $12.50 per 100.

BLACKBERRIES

BLOWERS

A new variety, said to be the best; very productive and a good shipper; exceedingly sweet. Ripens just after the Erie. July. **Price, each, 15c; 10, $1.00; 100, $8.00; postpaid, each, 20c; per 10, $1.50.**

EVERGREEN

An Oregon introduction; beautiful lacinated foliage, which it retains all winter; berries long, black, sweet, rich and delicious; ripens from July to November.

10 for $1.00; 100 for $7.50
Postpaid, each, 20c; 10, $1.50

HIMALAYA GIANT

An exceedingly strong, rampant grower of a trailing nature; everbearing; an enormous yielder. The berries are large, juicy, coreless, sweet and firm, with a delicious aromatic flavor. Its deep rooting qualities enable it to produce a large, firm berry even in a very dry season.

Postpaid, each, 20c; doz., $2.00
Freight or Express, each, 15c; doz., $1.25

LAWTON

Fruit large; very productive; well and favorably known; Oregon's most popular kind.

Each, 8c; 10, 60c; 100, $4.00; 1000, $30.00
Postpaid, each, 15c; 10, 75c.

NEW MAMMOTH

This wonderful new blackberry is a rampant grower of trailing habit. It is enormously productive and exceedingly early, ripening three weeks before other cultivated kinds. Fruit is enormous, specimens measuring 2½ inches long; seeds small, soft and abundant; cores small and soft. In size and flavor it surpasses all other varieties of blackberries. July 1.

Two-year-old, each, 20c; doz., postpaid, $1.75 by express or freight, doz., $1.50; 100, $12.50.

One-year-old (tips), ea., 15c; 10, postpaid, $1.25. By express or freight, 10, $1.00; 100, $8.00.

KITTATINNY

Large, roundish, conical, glossy black, juicy, sweet, excellent when fully ripe. July. **Each, 8c; 10, 60c; 100, $5.00. Postpaid, each, 15c; 10, 75c.**

ELDORADO

A valuable new variety; fruit large, jet black, melting, sweet and rich; hardy and very productive; fine for Oregon.

Each, 10c; 10, 90c; 100, $7.00
Postpaid, each, 15c; 10, $1.25

Raspberries—Red Caps

Prices except where noted..... 2 years—Ea., .08; per 10, .75; per 100, $4.00; per 1000, $20.00

THE IMPROVED SUPERLATIVE

A New Berry of Great Merit

The color is a soft red crimson. The berry large and firm, with very small, brittle seeds. The healthy, vigorous growth, remarkable productiveness, hardiness, immense size, handsome, uniform shape and rich, luscious flavor make the "Superlative," from the shippers' standpoint, a most desirable berry. It is firm, disease resisting, and earlier than Cuthbert.

Price: Each, 15c; doz., $1.40, postpaid; freight or express, 1 doz., $1.00; 100, $9.00.

CUTHBERT

Deep rich red, large and firm; one of the best market berries. Very strong, hardy and productive; ripens medium to late.

MARLBORO

Standard, light crimson, large, very firm; should be planted with Cuthbert as commercial variety; ripens early.

HERBERT

Three in one; splendid, large, bright red; strong grower and very productive; originated in Canada; should be tried by every planter.

Strong Plants, each, 15c; 10, $1.25

RASPBERRIES—Black Caps

Prices except where noted:
Choice well rooted plants, each, 10c; per 10, 90c; per 100, $6.00; per 1000, $40.00.

CONRATH

The Best Early Blackcap

A black raspberry of superior quality, being ten days earlier than Gregg, coming in with the earliest reds. One-sixth of an acre of Conraths produced 38 24-pound crates, netting the grower $76. We especially recommend the Conrath as the best "blackcap" for Oregon. Try it. **Choice, well-rooted plants, each, 15c; 10, $1.25, postpaid**
Freight or express, 10, $1.00; 100, $8.00

COLUMBIAN—PURPLE.

A cross of the black and red raspberries combining the flavor of both. Berries are large and easily picked, the yield is heavy and the vines are hardy and vigorous, give same training and care as black caps **Price, strong plants, postpaid, each, 15c; 10, $1.25. Express or freight, 10 for $1.00; 100, $8.00.**

CUMBERLAND

Black; very large; similar to Gregg if not better.

KANSAS

Black. Similar to Gregg, ripening earlier. Good commercially; strong grower and productive. Drouth resistant.

MAMMOTH

Black, good quality. Not yet thoroughly tested.

MUNGER

Black, very good, juicy and fine for home use.

GREGG

Of good size, fine quality; very productive and hardy. It takes the same position among black caps as Cuthbert among the red sorts.

PLUM FARMER

New; very promising as a table and market berry; large black, hardy and productive. Good quality. **Strong plants, postpaid, each, 15c; 10, $1.25. Express or freight, 10, $1.00; 100, $8.00.**

GOOSEBERRIES

Prices except where noted ..... Each, $0.10; per 10, $0.80; per 100, $6.00; per 1000, $50.00

OREGON CHAMPION

Berries very large, pale green color; very sweet and fine for table use and pies; bush strong, not very thorny; very prolific bearer; most popular sort we have.

HOUGHTON

Vigorous grower, abundant bearer; fruit of medium size, pale red, sweet and juicy.

Each, 15c; 10, $1.25; 100, $12.00

RED JACKET (JOSSELYN)

Of large size; smooth, prolific and hardy; of best quality; a wonderful cropper, with bright, clean, healthy foliage.

Each, 15c; 10, $1.25; 100, $12.00

DOWNING

Large, light green; soft juicy and good. Vigorous and very productive.

INDUSTRY

Very large, dark red, of delicious flavor; the best of all English varieties. Bushes strong, upright and very productive.

Each, 20c; 10, $1.75; 100, $15.00

PEARL

Large, light yellowish green; very hardy and free from mildew; superior in size and quality. Very prolific. **Each, 15c; 10, $1.25; 100, $12.00**

Dewberry

Price..... Each, $0.10; Per 10, $0.75: Per 100, $7.00

LUCRETIA

Very popular, trailing vine. Fruit large, soft, sweet and with no hard core. Hardy, good for this Coast. Last of May.

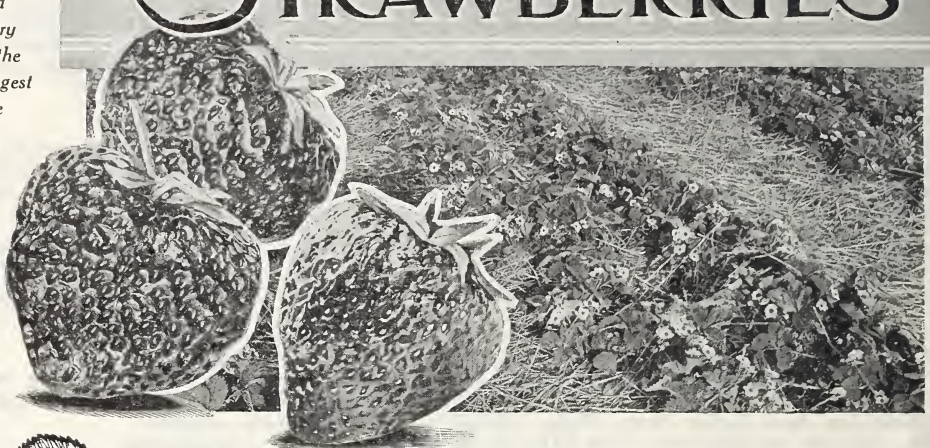
GARDENIA

Large glossy black; delicious; heavy bearer; trailing vine. June.

New Oregon

Delicious Solid Rich Red Berry of the Largest Size

DIAMOND QUALITY STRAWBERRIES



STRAWBERRY PLANTS are a great specialty with us, and our select strains of **New Oregon, Gold Dollar, Marshall, Magoon, Clark's Seedling** and other Western varieties, many of which were introduced by ourselves, still hold their position as the **leading commercial varieties of the Northwest,** and are being planted more extensively each season. Thus demonstrating by actual market and growing tests the great superiority of our Western varieties, against the keenest competition from all sections.

"Diamond Quality" Strawberry Plants are large, vigorous and healthy. They are heavily rooted and have large, full crowns; have been carefully grown, and are free from disease and pests. We dig as ordered and pack for shipment in ventilated crates of 500 plants each, crowns up. **They are grown from our select strains and are always true to name; no substitution** is ever allowed without the full knowledge of the purchaser.

Better Strawberries or larger crops are not produced anywhere than right here in the Northwest, and the handsomest — firmest — best colored — richest flavored strawberries are our Western varieties.

THEY ARE BEST for WESTERN GROWERS

Care For and Feed Your Plants

Neglect is the prime factor in strawberry failures, and most strawberry beds suffer from lack of attention and starvation. Proper fertilization and intelligent culture insure enormous crops of finest fruit and freedom from diseases and pests. White grubs, cutworms, crown miners, etc., can all be controlled by preventive measures. Never set strawberries in or near clover sod or hay fields. Such ground should have at least two years cultivation before using for strawberries. Remove the mulch directly after fruiting. This helps to control many evils. For helpful details of care and culture, see our **Strawberry Booklet, 32 pages, sent free on request.**

"GOLD DOLLAR"

Earliest and Best of All Early Strawberries

Always Solid Clear Through

The strawberries here offered have all stood the market test and you will be safe in selecting any one of them that will suit your conditions and requirements. They are the best varieties obtainable

STRAWBERRY PLANTS—Continued

NEW OREGON—Our Own Introduction

Best, Most Uniform, and Heaviest Yielding Main Crop Strawberry

"NEW OREGON" is large, firm and of fine form, averaging 15 to the quart box, color a brilliant, deep, rich red, having a glossy varnished appearance when fully ripe. This dark blood red coloring extends through to the very center, and, no matter how large, the **"NEW OREGON"** is never hollow. When fully ripe **"NEW OREGON"** has a distinctive flavor suggestive of the wild berry, is crisp and delicious, and will remain on the vine for three days without injury, keeping perfectly for many days after picking; stands handling and long shipments and will hold its color, shape and flavor when canned.

"NEW OREGON" is an early and continuous bearer, being ready for marketing the first half of May in the Willamette Valley and holds up in size and quality throughout the season, which in some localities extends until frost.

"NEW OREGON" is a healthy, vigorous grower with luxuriant foliage, but has a marked characteristic of setting few runners. For this reason plants of the true strain cost a little more than other sorts. We introduced **"NEW OREGON"** in 1902 and growing tests with every promising variety obtainable have demonstrated its superiority.

Mr. Finnigan, the "Strawberry King," uses the **"NEW OREGON"** for his fancy pack, and picked 16,872 boxes from two acres in one season. **See price list below.**

To be sure of receiving the original strain of genuine "NEW OREGON" Strawberries send your orders direct to us.

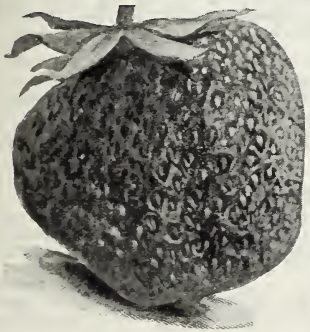
Gold Dollar—Extra Early

No early strawberry we have ever known equals our special strain of "Gold Dollars."

Gold Dollar berries are large size, dark red all through and have fine flavor. Foliage heavy, large and spreading, which protects the blooms from early frosts. Has a perfect bloom, and strong stems that hold the berries up from the ground, which helps to keep color and flavor during the early rainy season.

Gold Dollar Strawberries are the standard early berry in the big markets of the Northwest and are always in demand. They are sure, heavy croppers, keep up their size throughout the season, and command the highest early prices. They are the handsomest, most prolific early strawberry.

Popular and Best Western Sorts



MAGOON

Magoon

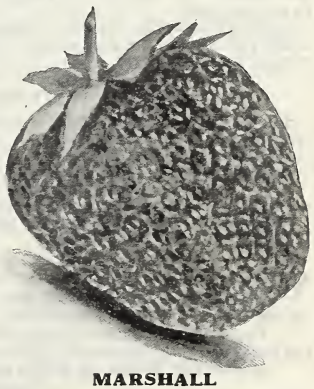
Originated near Portland; berry large, fine and excellent; subacid flavor; bears heavily throughout the season; especially adapted to Western Oregon and Washington.

Marshall

One of the best all-round straw berries; very large; dark crimson throughout; fine flavor; a fine market and table berry. Our stock of Marshalls is absolutely true and a vigorous and prolific strain.

We can promptly deliver
LARGE ORDERS
Fall or Spring

COMMERCIAL GROWERS
Write for Prices



MARSHALL

Clark's Seedling

The berry that has made Hood River famous; best shipper, berries large, firm and of delicious flavor; vines bear large crops; is especially adapted to dry soil.

Wilson

An old standard variety; a heavy bearer of fine, moderate sized berries; sharp acid flavor and the leading sort for canning.

Gandy

A profitable market sort; its season is late to very late, being in its prime when most other sorts are gone. The fruit is large, handsome and uniform, and makes an excellent showing on the market.

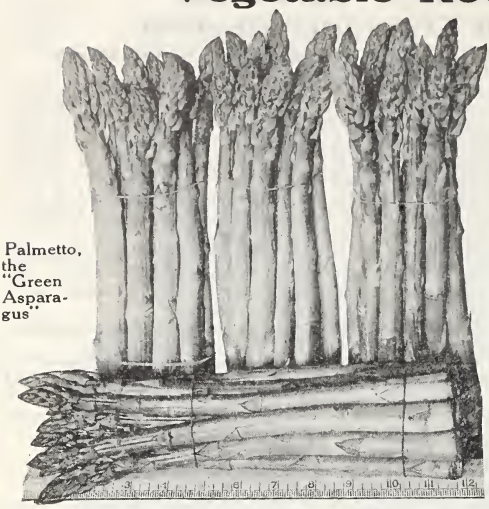
Price List of Plants

	By mail, postpaid		By express or freight packed in ventilated crates.	
	Dozen	100	100	1000
Clark's Seedling	$0.30	$1.00	$0.60	$4.50
Gandy	.30	1.00	.75	5.00
Gold Dollar	.30	1.00	.60	4.50
Magoon	.30	1.00	.60	4.50
Marshall	.30	1.00	.60	4.50
NEW OREGON — IMPROVED	.30	1.00	.75	5.00
Wilson	.30	1.00	.60	4.50

Not less than 500 plants of a kind at 1000 rate. Special prices on 3000 or more.

FREE ON REQUEST, OUR 32-PAGE BOOK ON STRAWBERRY CULTURE **FREE**
Complete and up-to-date. Things you should know about Strawberries.

Vegetable Roots and Plants



Palmetto, the "Green Asparagus"

Asparagus

One of the earliest and finest of spring vegetables; very easily grown. A bed once planted is good for years if properly attended to and well manured.

CULTIVATION — See that the ground is well drained, work it up fine and deep and make it very rich with fertilizer or barnyard manure. Place the plants eight inches apart in rows three feet apart. Spread out the roots in a trench made deep enough to permit their crowns to be covered with three or four inches of mellow earth. Give the bed liberal dressings of fertilizer at intervals, and, except near the sets, three pounds of salt per square yard early every spring. Do not cut for use until the plants have grown two seasons.

ARGENTEUIL—A splendid French variety of finest quality, very early, vigorous and uniform; hardy and free from disease.

We also supply **Connover's Colossal, Palmetto** and **Columbian Mammoth White.**

ONE-YEAR-OLD PLANTS—Postpaid, 25c dozen; 75c per 50; $1.00 per 100. By express or freight, 20c dozen; 50c per 50; 75c per 100; $6.00 per 1000.

TWO-YEAR-OLD PLANTS—Postpaid, 40c dozen; $1.00 per 50; $1.50 per 100. By express or freight, 25c dozen; 75c per 50; $1.00 per 100; $8.00 per 1000

Rhubarb, or Pie Plant

GIANT—BEST HARDY VARIETY

This deserves to be ranked among the best early products of the garden. It affords the earliest material for fine pies and fresh table sauce, continues long in use and is valuable for canning.

A deep rich soil is indispensable to secure large, heavy stalks. Plant in rows four feet apart, with the plants three feet distant. Set so that the crowns are about an inch below the surface. Apply annually, in the fall, top dressing of stable manure, and fork under in the spring.

ONE-YEAR-OLD ROOTS—Postpaid, 8c each; 75c per dozen. By express or freight, 50c per dozen; $3.00 per 100.

TWO-YEAR-OLD ROOTS—Postpaid, 15c each; $1.50 per dozen. By express or freight, 85c per dozen; $6.00 per 100.

BURBANK CRIMSON WINTER

A widely advertised, forcing variety of great value, the flavor and quality being superior to any other rhubarb. Comes on very early and lasts through a long season, hardy in some sections, but gives best results when protected. Must be propagated from root divisions, as it does not come true from seed. **Large clumps, each, $1.00; doz., $10.00**
Divided roots, each, 25c; doz., $2.50

☞**NOTE**—We advise our customers to order all roots by express or freight, if possible, as it enables us to send much larger and better rooted plants, at a less cost to the buyer.

If wanted in larger quantities, write for special prices.

Hop Vines

Grown very extensively for the hops; also planted largely for shade and covering fences, buildings, etc.; rapid growers.

English Cluster—The best sort.

Strong roots, postpaid, 5c each; 40c per dozen. By express, 25c per dozen; $1.50 per 100. Write for prices if wanted by the 1000.

Horse Radish

This useful condiment is easily grown and prefers a rich, moist loam. Plant in rows eighteen inches apart, putting the sets one foot apart, being careful to place the thin end down in the ground. Constant cultivation required. **Postpaid, 5c each; 40c per dozen. By express or freight, 25c per dozen; $1.50 per 100. Write for prices by the 1000.**

Vegetable Plants

WE grow large quantities of vegetables plants, and can supply all the kinds listed below, in their proper season, in most any quantity. We have made arrangements this year so that we can supply all vegetable plants in two grades. If you want a quantity of plants write us early.

Transplanted plants are much stronger and better rooted, and are well worth the price, especially in the early part of the season. We can supply most any of the leading sorts. No plants sent C. O. D.

Write for prices in large quantities.

	Postpaid	By express	
CELERY—	Dozen	100	1000
Leading kinds, transplanted	$0.30	$1.00	$7.00
Not transplanted	..	.50	5.00
TOMATOES—	Postpaid Dozen	By express 100	1000
Leading kinds, transplanted	$0.30	$1.00	$7.00
Not transplanted	..	.75	6.00

Add 25c per 100 for Tomato Plants by mail.

SWEET POTATO PLANTS	$0.30	$1.00	$7.00

Add 25c per 100 for above Plants by mail.

CHIVES (Schnittlauch), per bunch..... 20c.

	Postpaid	By express	
CAULIFLOWER—	Dozen	100	1000
Early Snowball, transplanted	$0.30	$1.25	$8.00
Not transplanted	..	1.00	7.00
Late kinds, transplanted	.30	1.00	7.00
Late kinds, not transplanted	..	.75	6.00

Add 25c per 100 for Cauliflower Plants by mail.

	Postpaid	By express	
CABBAGE—	Dozen	100	1000
Early or late kinds, transplanted	$0.20	$0.75	$6.00
Not transplanted	..	.50	4.00

Add 25c per 100 for Cabbage Plants by mail.

High Grade Fertilizers Cheapest

A 100-pound bag of high grade commercial fertilizer will contain more soluble and available plant food than 4,000 pounds (two tons) of stable manure of average quality. How much easier and cleaner to handle one 100-pound bag than tons of manure, and there are no weed seeds to worry over.

Special Fertilizer Booklet giving complete analysis and price of the different fertilizers which we can supply, together with full information for their application, will be sent on request. This book is of great value to all interested in fertilizers.

DIAMOND Spra-Sulphur—Soluble

ACTIVE INGREDIENT MORE THAN 58% SOLUBLE SULPHUR dissolves quickly in cold water.

SPRA-SULPHUR is a superior and efficient form of sulphur for destroying San Jose and other Scale Insects and all Fungus Diseases that can be controlled in the dormant season, and as a **Summer Spray** for Apple Scab, Aphis Larvae, Mildew and other Fungus troubles.

DIRECTIONS—For Winter Spraying, when trees are dormant, use 10 pounds of **Spra-Sulphur** to 50 gallons of water. For control of Scale and Fungus Diseases.

For Summer Spraying, when trees are in leaf, to control Apple Scab, Aphis Larvae, Mildew, etc., use 1½ pounds to 50 gallons of water.

When Arsenate of Lead is added for Codling Moth and all climbing insects, make your sulphur solution first, then add Arsenate of Lead, **"Corona Dry Powdered,"** three-fourths of a pound to 50 gallons of solution. If paste form is used, 1½ pounds to 50 gallons is needed.

PRICES: 1 lb., 20c.; 5 lbs., 75c.; 10 lbs., $1.25; 25 lbs., $2.50; 50 lbs., $4.00; 100 lbs., $7.50. F. O. B. Portland, Oregon.

SPRA-SULPHUR is packed in air-tight, friction-top tins and should be kept tightly covered until ready to use, as it is so readily soluble that if exposed to the air it will attract sufficient moisture to dissolve it; but if kept sealed will keep indefinitely.

☞100 lbs. equals a 600-lb barrel of Lime-Sulphur Solution. **Costs less and does better work.** No leaky barrels—no waste—keeps indefinitely and you **pay no freight on water.**

Spray Calendar—When to Spray, What to use

Insect or Disease.	Plant Attacked.	What to Spray With.	First Spraying.
Codling Moth	Apple, Pear	Arsenate of Lead	Just before calyx cups close.
San Jose Scale		Scalecide, Standard Sulphur-Lime Solution	When leaves are off the tree.
Oyster Shell Bark Louse	Apple, mainly	Standard Sulphur-Lime Solution	When leaves are off the tree.
Peach Moth or Twig Borer.	Peach	Scalecide, 1 part to 20 parts water	When the insects appear.
Woolly Aphis	Apple	Scalecide, 1 part to 40 parts water	When the insects appear.
Aphis	Roses and plants	Aphiscide, Fir Tree Oil Soap	Just as soon as the insects appear.
Cabbage Worm	Cabbage	Bug Death (non-poisonous)	Before the worms eat into the cabbage.
Cabbage Aphis	Cabbage	Scalecide, 1 part to 40 parts water	When the insects appear.
Slug	Pear, Cherry, Peas	Slug Shot, or Bug Death	
Thrips	Roses	Thrip Juice, or Aphiscide	When the insects appear.
Cottony Scale	Pear, Currant	Scalecide, 1 part to 40 parts water	When insects become cottony (May).
Scab	Apple, Pear	Bordeaux	Just before blossoms open.
Blackspot Canker	Apple	Bordeaux, double strength	Immediately after leaves fall.
Leaf Curl	Peach	Standard Sulphur-Lime Solution	Before buds burst.
Mildew	Gooseberry	Potassium Sulphide, 1 ounce to 2 gallons water	Just as buds burst.

"CORONA" Arsenate of Lead

DRY POWDERED

Contains only ARSENIC and LEAD OXIDES. NO FILLERS

Mixes Quickly and Easily. Stays Mixed Longer and Sticks better to branches, leaves and fruit than **Any Other** Arsenate.

NO SEDIMENT — NO LUMPS — NO WASTE — NEVER CLOGS NOZZLES

"CORONA" Dry Powdered Arsenate is a Light, Fluffy Powder that cannot freeze, dry out, cake or loose its strength — is always uniform and requires only 1½ pound to 50 gallons of water. Efficient, Economical and Convenient. *Highest Percentage of Killing Power.*

☞ **Ask for Full Information, Testimonials and Sworn Tests.**

PRICES: 1 lb. 40c; 5 lbs. $1.75; 25 lbs. $7.00; 50 lbs. $13.50; 100 lbs. $26.00; 200 lbs. $50.00

☞ **SPRAYING to be effective MUST BE WELL DONE—**

"How to Spray — When to Spray — What Sprayer to Use" is a valuable and interesting book that tells all about sprays and sprayers. **We will mail this book to you free on request.**

ORNAMENTALS

SPACE will not permit us to give more than the very briefest description of ornamentals in this booklet, but complete descriptions and detailed information covering your planting problems will be promptly and cheerfully furnished on request, together with such suggestions as we feel will prove helpful to you. We shall be pleased to quote special prices on larger grades than those offered in the list. Such varieties as we have marked with an asterisk (*) can be supplied in many cases in larger grades and in large quantities.

When large trees are planted, they should be cut down to within 8 feet of the ground and all laterals should be shortened in, thinned out if they are too thick and cut away entirely to about 6 feet of the ground.

We shall be pleased to give quotations to persons desiring large quantities.

Prices of the following are for the 7 to 8 feet grade, excepting where otherwise specified.

Deciduous Trees

ASH

American White
Broad, round head and dense foliage. Very fine. **Each, 60c; 10, $5.00.**

BASSWOOD
(See Linden).

BEECH
Purple Leaved—Foliage is deep purple in the spring, changing to crimson in the fall. **5 to 6 feet, each $2.00; 6 to 8 feet, $3.00**

American
Unequalled for splendor. **Each, 75c; 10, $6.00.**

Fern Leaved
European variety, shrub-like and very beautiful for the lawn. 4-5 feet. **Each $1.00; per 10, $7.50.**

***BIRCH**
European White
Silvery white bark and slender drooping branches. **Each, 75c; 10, $6.50.**

Cut Leaved
Delicately cut foliage, silvery white bark and drooping branches. **Each, $1.50; 10, $12.50**

CATALPA
Splendid trees with white flowers and bright green foliage.

CATALPA BUNGEI
Forms a dense, round, umbrella-like head. **Each, $1.50.**

***CATALPA WESTERN (Speciosa)**
Very rapid grower, fine as a quick shade. **Price, 7 to 8 feet, each, 75c.**

CRAB—Flowering (Bechtels)
Flowers pink and very fragrant. In appearance a tree of roses. **5 to 6 feet, each, 75c.**

CORNUS FLORIDA (Dogwood, White Flowering)
Flowers white, 3 inches in diameter, blooming before leaves come in spring. Grows 20 to 25 feet high and is very showy. **Price, 7 to 8 feet, each, 60c; 10, $5.00.**

***ELM**
American White
A native of this section; a magnificent tree with drooping branches. **Each, 75c; 10, $6.50.**

***Cork Bark**
Desirable for street planting. Young branches very corky. **Each, 50c; 10, $4.50.**

Purple Leaved
Leaves rich purple when young. **Each, 75c; 10, $6.50.**

***LABURNUM (Golden Chain)**
A beautiful small growing tree, with long, drooping racemes of fragrant yellow flowers. **5 to 6 feet, each, 75c.**

LARCH
Tree native, rapid growing. Each, 75c; 10, $6.50.

FRINGE TREE
Small; foliage dark green; bunches of pure white flowers in May. **4 to 6 feet, $1.00.**

HAWTHORNE Double Scarlet
Small tree with spreading branches and crimson flowers. **Each, 75c; per 10, $6.50.**

Double White
Flowers small, leaves lustrous green color. Each, 75c; 10, $6.50

HORSE CHESTNUT

***White**
Foliage showy, flowers stand in upright panicles. **Each, $1.00 to $1.50.**

***Red**
Same flower as above; flowers red. **Each, $1.00 to $1.50.**

LINDEN American
Shapely and handsome, foliage large. **Each, $1.00; 10, $8.50.**

European
Similar to American, leaf smaller. Fine. **$1.25.**

LIRIODENDRON
See Tulip tree.

LOCUST *Black
Rapid grower; fine for street planting. **Each, 75c; 10, $6.50.**

Honey
Rapid grower, a drought resister; fine for hedge or wind-break. **Each, 75c; 10, $6.50.**

MAGNOLIA—Acuminata, Cucumber Tree
Tall, pyramidal tree, showy leaves and yellowish white flowers. **Each, $1.50; 10, $12.50.**

MAPLE

Ash-Leaved (Box Elder)
A rapid grower, fine street tree, foliage ash-like. **Each, $1.00; 10, $8.50.**

Variegated Ash-Leaved Maple.
These make handsome and attractive specimens for lawn or street plantings. **Each, $1.00.**

***Oregon Soft**
A rapid grower, fine for avenues. Leaves large.
6 to 8 feet, 50c to 60c; 8 to 10 feet, 75c to $1.00.

***Sycamore**
Tree large and spreading with handsome foliage.
6 to 8 feet, 50c to 60c; 8 to 10 feet, 75c to $1.00.

Silver
A rapid grower, graceful and very beautiful; leaves silvery.
6 to 8 feet, 50c to 60c; 8 to 10 feet, 75c to $1.00.

***Norway**
Large, growth compact; foliage deep green. Handsome.
6 to 8 feet, 50c to 60c; 8 to 10 feet, 75c to $1.00.

Purple Leaf Sycamore
Purplish green foliage, sycamore-like. **6 to 8 feet, 50c to 60c; 8 to 10 feet, 75c to $1.00.**

Sugar or Hard
A rapid grower; popular in the East, a shapely tree with beautiful autumnal coloring.
6 to 8 feet, 50c to 60c; 8 to 10 feet, 75c to $1.00.

OAK

English
Low growing, spreading habit and rapid growth. **75c; 10, $6.50.**

Scarlet
Pyramidal shape, foliage changes to bright red in fall. **Each, 75c; 10, $6.50.**

PEACH—Flowering
Blooms in April, flowers highly colored and very attractive. **Each, 4 to 6 feet, 50c; 10, $4.00**

DECIDUOUS TREES—Continued

***MOUNTAIN ASH**
Very ornamental, handsome foliage turning orange red in the fall. Red berries remain on tree most of winter. 75c; 10, $6.50.

MOUNTAIN ASH—European
White flowers, then beautiful red berries. Each, 75c; 10, $6.50.

MULBERRY
Downing's Everbearing
A rapid grower with good fruit. Fine as a shade tree. Each, 75c; 10, $6.50.

***Russian**
Of spreading habit and rapid growth. Each,75c; 10, $6.50.

WALNUT
See Nut Trees.

POPLAR
***Carolina**
A very rapid grower. Each, 60c; 10, $5.00.

PRUNUS PISSARDI
Foliage and fruit entirely red. Plums very good quality. Very attractive.
Each, $1.00; 4 to 6 feet, 75c.

SYCAMORE
American
Has broad foliage and handsome bark.
4 to 6 feet, 75c; 10, $6.50.

European
Erect growing tree with mottled trunk. Foliage bright green. Each, 75c; 10, $6.50.

TULIP TREE
Leaves light, glossy green, fiddle shaped; flowers greenish yellow, tulip shaped.
Each, $1.50; 4 to 6 feet, $1.00.

Weeping Trees

ASH—European Weeping
Splendid arbor tree. Each, $1.25; 10, $11.00.

ELM—Camperdown Weeping
Vigorous branches, forming a roof-like head.
Each, $1.50; per 10, $12.50.

MAPLE—Wier's Cut-Leaved
Very handsome with cut foliage.
6 to 8 feet, $1.50.

MULBERRY—Tea's Weeping
Very graceful; branches long and slender and drooping parallel to trunk.
Each, $1.50; per 10, $12.50.

WEEPING WILLOW—Kilmarnock
A distinct variety, having reddish shoots and large, glossy foliage. They make a most desirable and graceful drooping small tree for lawns.
6 feet and 2-year heads, each, $1.00 to $1.50.

WILLOW—Wisconsin
Large, glossy leaves and very pendulous habit. Each, 75c; per 10, $6.50.

WILLOW BABYLONICA or Common
Well known common willow, with drooping branchlets. 5 to 6 feet, each, 60c.

Deciduous Shrubs

ALTHEA—Rose of Sharon
Flowers delicate, bell shaped, blooming at different times during summer.

Grandiflora Superba
Double, delicate blush, carmine center.
3 to 4 feet, each, 50c; 10, $4.00.

Elegantissima
Double white.
3 to 4 feet, each, 50c; 10, $4.00.

Meehani
Leaves variegated, single lilac-pink flowers.
60c.

FLOWERING ALMOND—Pink
Well known early dwarf shrub. Double clear pink little roses festoon the gracefully bending branches. 2 feet, 50c.

FLOWERING ALMOND—White
Same, though white flowers. Each, 50c.

AZALEA MOLLIS
Very bushy, a young and proficient bloomer. Colors, red, orange and yellow. $1.00.

BERBERRY—Purple Leaved
Having purple foliage, very pretty.
Clump, 25c each.

CURRANT—Flowering
Graceful flowers and berries red. Very desirable for shady spots. 3 to 4 feet, 50c.

Hydrangea.
Paniculata Grandiflora.—One of the most desirable flowering shrubs; attains a height of 4 to 5 feet, flowering from July to November, bearing immense panicles of bloom, a foot or more in length; color, creamy white with pink flush. Prune back in early spring, about half of previous year's growth; flowers are borne on the new wood. Hardy everywhere; good for cemetery planting.
2 to 3 feet, each, 25c to 50c; 3 to 4 feet, 75c
Tree shaped, each, $1.00

KERRIA.
Japonica—The double yellow globe flower, a graceful shrub bearing a bright yellow double flower during early summer. 3 to 4 feet 50c.

HONEYSUCKLE—Upright
Very beautiful. 3 to 4 feet, 50c. For others, see vines.

DEUTZIA—Pride of Rochester
Tall, very beautiful. Flowers double white. 3 to 4 feet, 50c; 4 to 6 feet, 65c; 6 to 8 feet, 75c.

ELDER.
Golden Leaved — Foliage retains its bright Golden color through the summer.
4 to 6 feet 75.

EUONYMUS—European
Strawberry or Spindle Tree—A small tree bearing medium sized scarlet berries.
4 to 5feet, 50c.

FILBERT—Purple Leaved
Leaves and husks purple, very ornamental. Nuts good. 3 to 4 feet, 75c.

FORSYTHIA (Golden Bell)
Most common; deep green foliage. Fine in partial shade. 5 to 6 feet, 50c.

CALYCANTHUS—Floridus
Flowers reddish brown, sweet scented. Leaves broad, dark green, making graceful masses. 2 to 3 feet, 50c; per 10, $3.50.

QUINCE FLOWERING (See Page 63)

SNOWBALL
Japanese
Flowers pure white, delicate, large globular heads, in May. 2 to 3 feet, 75c.

Common
Flowers globular, pure white, in May.
3 to 4 feet, each, 50c; per 10, $4.00.

SMOKE TREE
Low growing and shrubby, flowers feathery, appearing like a cloud of smoke. 75c to $1.00.

MOCK ORANGE (Philadelphus)
3 to 4 feet, 50c; per 10, $4.00.

Grandiflora
Flowers large and slightly fragrant. Slender twig habit.
Price, 3 to 4 feet, each, 50c; per 10, $4.00.

Deciduous Shrubs—Continued

Lilacs

Common Purple (Syringa Vulgaris)
Very fragrant, an old favorite.
3 to 4 feet, 50c; per 10, $4.50.

Common White
(Syringa Vulgaris)
Same as above, flowers white.
3 to 4 feet, 50c; per 10, $4.50.

FINE NAMED VARIETIES
Grafted Standards, 6 ft. $1.25 each.
Choice plants, 3 to 4 feet, each, 75c.

CHAS. X—Single
A strong rapid grower; trusses large and loose, color reddish purple.

MARIE LE GRAYE—Single
Flowers large, beautiful creamy white; bush dwarf.

MICHEL BUCHNER—Double
Pale lilac.

PRES. GREVY—Double
Magnificent, beautiful blue panicles; very large.

LUDWIG SPAETH—Single
Very fine; trusses large; deep purple.

MME. LEMOINE—Double
White color; fine for winter forcing.

PRES. CARNOT—Double
Fine, lavender, with white center, late flowering.

TAMARIX
Elegant, fine flowering and handsome foliage. Flowers carmine-red. August, September. **3 to 4 feet, 50c.**

Spiraeas

Anthony Waterer—A handsome shrub, that blooms about the close of June; flowers red. **Clumps, each, 75c**

Billardi—Produces fine, rose-colored flowers, and blooms nearly all summer. **Strong clumps, each, 60c**

Prunifolia, Bridal Wreath—The pretty double white flowers are in bunches of twos and threes, and usually expand about May 1. **Clumps, each, 75c**

Thunbergii—Of graceful habit; branches are slender and somewhat drooping; foliage yellowish-green; flowers small, white, appearing early. **Clumps, each, $1.00**

Van Houtte—The grandest of all the Spireas. It is a beautiful ornamental for the lawn at any season, but when in flower it is a complete fountain of white bloom, the foliage hardly showing. Perfectly hardy and an early bloomer. **2 to 3 feet, 60c to 75c**

WEIGELIA

Candida — Flowers white, bush tall and very graceful. **75c**

Rosea — Flowers light pink, shrub compact and shapely. **75c**

Eva Rathke — Flowers red, one of the best. Slightly dwarf. **75c**

Variegated—Leaves become silvery white. **75c**

NUT TREES

Almond (Nut Bearing)

Almonds can be grown successfully in many sections of Oregon and Washington, and are attracting much attention from commercial orchardists We can supply most of the leading varieties at price listed. Special prices on large orders. **Choice trees, 3 to 5 feet, 50c**

I. X. L.—A vigorous grower and sure cropper, producing nuts of large size and handsome appearance; shell thin; most popular commercial sort.

Hard Shell—A fine hardy variety with large plump kernel of good quality.

NONPARIEL
Tree beautiful, slightly weeping; nut sweet and shell very thin. Best for the home.

NE PLUS ULTRA
Large and very long; soft shell; hulls free. Tree heavy and regular bearer.

Butternut

A beautifully formed tree bearing a rough coated nut of most attractive flavor, well known to the Middle West. **each, 50c to 75c**

Chestnut

American Sweet—Makes a handsome shade tree; full medium size, sweet and well flavored. **7 to 8 feet, each, 75c to $1.00**

Spanish—A valuable species, both for ornamental use and fruit. It forms a handsome lawn tree and produces much larger fruit than the American variety.
4 to 6 feet, each, 75c; 7 to 8 feet, $1.00

Mammoth Japanese — Imported; yields largest and best nuts. **Each. 75c to $1.00**

PARAGON
Nuts large and handsome, sweet and of good quality. Tree hardy and very productive. **4 to 6 feet, each. 75c to $1.00.**

Walnuts

English or French—The cultivation of English Walnuts on the Pacific Coast is very profitable, and many people are now setting out large groves. If you do not care to set out a field of trees, a row set along the driveway, lane, around the fences, or on a sidehill too steep to cultivate will prove a most profitable investment, and will require very little attention. They are rapid growers, and will make fair-sized trees in a few years. For those who prefer "second generation," we have a fine lot of one and two-year-old trees (the best age to plant).

CALIFORNIA BLACK
A rapid grower and very desirable; nut medium size, with hard, smooth shell. Adapts itself easily to different climates.

FRANQUETTE AND MAYETTE.
Second generation, soft shell, selected stock; Trees hardy and prolific bearers. Nuts are rich and meaty, finest commercial sorts.

PRICES
One-year-old, well-rooted, each, 25c; 10, $2.00
Two-year-old, well rooted, tops 2 feet up, 40c
Seedling stock grown from select nuts, 4 to 6 feet, each, 75c; 6 to 8 feet, 75c to $1.00
GRAFTED STOCK—Franquette Mayette Praeparturien 4 to 6 feet, $1.50 to $2.00. Special prices on large lots.

Filberts

Barcelona—Magnificent large nut from Spain, first quality; can be grown as low standard tree or bush. **Each, 35c to 50c**

DuChilly—The largest Filbert on Pacific Coast. Nuts are broad, 1 inch by ¾ of an inch; full fleshed and sweet; best grown as low standard. **Each, 35c to 50c**

Special prices on large orders.

Evergreen Trees

THIS list includes trees that do not shed all their foliage at one time, thereby remaining green after the deciduous trees are bare.

ARAUCARIA IMBRICATA—Monkey Puzzle

A fine tree of regular pyramidal form; leaves bright green, broad, thick, pointed and overlapping each other. **2 to 3 feet, $2.00.**

ARBORVITAE

***American**

Native, known as white cedar. Foliage bright green, yellow-green underneath; brown and bronze in winter. **2 to 3 feet, 75c.**

Golden

Elegant; habit regular; foliage tinged with gold in spring. **2 to 3 feet, $1.50.**

Weeping

Weeping variety, branches pendulous and thread-like; foliage light yellowish green. **2 to 3 feet, $1.50.**

American Variegated Pyramidal

Pyramidal form, foliage dark green. **2 to 3 feet, $1.00.**

Oriental

Fine, with close ascending branches of a fan shaped appearance. **2 to 3 feet, $1.00.**

Red Cedar

Native, with striking form and beautiful color. **2 to 3 feet, 60c; per 10, $5.00.**

BOX

Splendid specimens, our own importation.

Pyramid 4 to 4½ feet **Each**.....**$5.00**
" 3 " 3½ " " **3.50**
" 2½ " 3 " " **2.50**

Standard 2½ to 3 feet stems. Heads 15 to 18 inches in diameter **$4.00 to $5.00 each.**

Box Plants for Hedges and Borders, 6 inch and over at from **$5.00 per hundred up.**

CEDRUS

Deodora (Himalayan or Indian Cedar)

Very handsome; branches drooping; foliage silvery green. Very popular. Vigorous grower. **2 to 3 feet, $1.50.**

Deodora Variegata (Variegated Cedar)

A fine tree, same as Deodora with silvery white tipped foliage. **2 to 3 feet, $2.00.**

CYPRESS

***Lawson's**

Graceful and conspicuous; branches horizontal, slightly pendulous, foliage dark green. **2 to 3 feet, $1.25; per 10, $10.00.**

Lawson Blue

Of slender habit with silvery foliage. **1½ to 2 feet, $1.00.**

CYPRESS—NEW

Cypress Allumii.

Very compact, upright grower; color a bright blue. **Each, $1.00.**

Cypress Lawsoniana Darlyenssi.

A strong grower; color a fine bright yellow. **Each, $1.50.**

Cypress Wesselii.

This conifer distinguishes itself by its very graceful pyramid, compact and yet strong growth; color a fine blue. **Each, $1.50.**

Cypress Westermannii.

Same as Wesselii though more pendulous and drooping. **Each, $1.50.**

Cypress Triumph of Booskoop.

Strong grower; one of the bluest conifers in cultivation. **Each, $1.00.**

FIR

American Balsam

Prized for its delightful aroma. **1½ to 2 feet, $1.25.**

European

Splendid; branches spreading, foliage broad and silvery. **2 to 3 feet, $1.25.**

Nordman's

Lustrous, deep green foliage; very symmetrical. One of the best. **1 to 1½ feet, $1.25.**

White

A fine spruce; rapid growth; very hardy. Very attractive. **1½ to 2 feet, $1.50.**

HEMLOCK—American

Very beautiful and appealing; branches pendant and foliage deep green. **2 to 3 feet, 75c; per 10, $6.50.**

Holly (Ilex)

We have a fine lot of Hollies, both seedling and grafted stock. If wanted in quantity, write for special prices. We also have at different times very large fine specimens, with or without berries. **Each, from $10.00 up**

English (Aquifolia)—A beautiful lawn tree, with prickly, dark green foliage; grows moderately fast, and is covered during the winter months with bright red berries. One of the handsomest and most popular evergreen bushes we know of. Holly branches are cut and sold in large quantities for holiday decorations. **Berry-bearing plants, per foot, $1.00; nice plants, $2.50 to $6.00; ordinary stock, per foot, 75c; nice plants, $1.50 to $3.00**

Variegated Hollies

The variegated varieties are remarkably handsome lawn plants. The leaves are variously marked with yellow or white. We offer the following distinct sorts:

Golden Margined — Leaves splashed with pale green; narrow, but irregular; golden edge. **Per foot, $1.00 to $1.50**

Silver Margined—Leaves long, dark green, slightly mottled, and with an irregular, narrowish silvery margin. **Per foot, $1.00 to $1.50**

JUNIPER

Irish

Pyramidal in form, foliage silvery gray; very striking. **2 to 3 feet, $1.00.**

Swedish

Similar to Irish, upright; one of the best. **2 to 3 feet, $1.00.**

JUNIPER—NEW

Juniper Communis Pfutzeriana.

Graceful green foliage with horizontal branches. **Each, $1.50.**

Juniper Canadensis Revesiana.

Same as Pfutzeriana though taller and straight. **Each, $2.00.**

Thuja Occidentalis Hoveyi.

Clear green color; slow growing. **Each, $1.50.**

MAGNOLIA GRANDIFLORA.

Choice well budded trees. **2½ to 4 feet, each, $1.00 to $2.00. Large specimens $3.00 to $5.00 each.**

PINE

Austrian

Well known and widely planted, especially at seashore; growth rapid; quite hardy. **2 to 3 feet, $1.00.**

Scotch

Robust growth; branches pendulous; leaves bluish green. **3 to 4 feet, 75c; per 10, $6.50.**

EVERGREEN TREES—Continued

SPRUCE

***Norway**

A lofty, rapid grower; branches drooping. Fine for hedge or windbreak.
2 to 3 feet, $1.25.

Norway Variegated Golden

Foliage golden yellow, vigorous.
2 to 3 feet, $2.00.

SPRUCE—Colorado Blue

The most beautiful of spruces; foliage silvery blue. **1½ to 2 feet, $2.50.**

Douglas

Somewhat similar to our hemlock; rapid grower. **2 to 3 feet, $1.50.**

YEW

English

Slow growth, densely branched, head spreading, dark green leaves. **2 to 3 feet, $1.00.**

Irish

Upright, deep, dark green foliage.
2 to 3 feet, $1.50.

Variegated

Same as Irish, but with part of foliage striped and margined with silvery white.
2 to 3 feet, $1.50.

Evergreen Shrubs

PRIVET (Evergreen)

One of our best hedge plants; has small, pointed, evergreen leaves; grows rapidly and compactly; stands severe pruning, and can be kept in fine shape with little care.

1-year-old plants, 12 inches, each, 5c; 50, $1.75; 100, $3.00; 2-year-old plants, 1½ to 2 feet, each, 10c; 50, $3.50; 100, $6.00

Rhododendron

Grafted Varieties—Magnificent, June and July flowering, evergreen shrubs; the finest and most hardy of all evergreens; they prefer a somewhat shady situation. There are many varieties, the flowers of which are produced in great abundance and in shades of the following colors: White, blue, purple, cherry, lilac, mauve and crimson.

Choice plants, 1½ to 2 feet and according to number of buds, $1.50 to $3.00

Ponticum—Flowers purple, often spotted on the upper lobe, and freely produced in short terminal corymbs. **Each, $1.50**

BROOM—Scotch

Branches drooping, covered in spring with bright yellow pea-shaped flowers.
3 to 4 feet, 50c.

White Flowering

Same as Scotch; flowers white. **3 to 4 feet, 75c**

Spanish

Same as Scotch; upright; branches leafless, superior to Scotch. Blooms continuously throughout the summer; larger, nicer flower; very desirable **3 to 4 feet, 75c.**

EUONYMUS—Jap.

Dense, upright; leaves dark green (hedge).
2 to 3 feet, 50c.

Variegated

Gold (and silver). **3 to 4 feet, $1.00.**

LAURISTINUS

Many white flowers in winter; fine hedge.
Price, 2 to 3 feet, 75c each.

LAUREL

Portugal

Dwarfish, leaves dark green, flowers very sweet. **2 to 3 feet, $1.25; per 10, $10.00.**

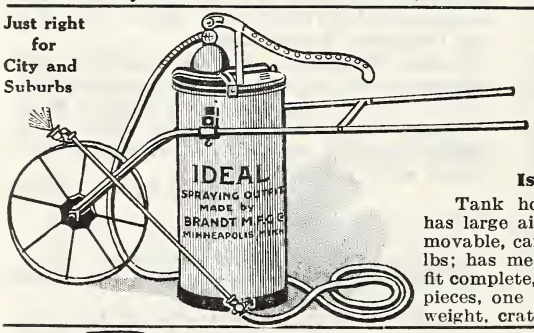
English

Leaves broad, shining; flowers in clusters, creamy white. Purple berries.
2 to 3 feet, $1.00.

MAHONIA—Aquifolia (Oregon Grape)

Shining, purple, prickly leaves; bright yellow flowers; berries blue-black.
2 to 3 feet. 75c (Balled).

Just right for City and Suburbs

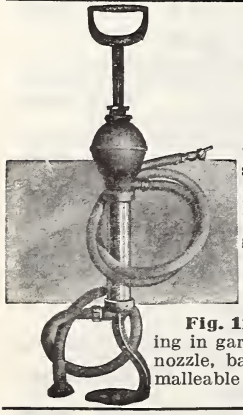


"Ideal" Spraying Outfit

The **"Ideal"** has been designed for small growers, city and suburban homes, and for all purposes where nothing as large as a barrel or power outfit is needed, and is the right outfit for the poultryman who does much regular spraying or whitewashing.

Is Light, Compact, Easy to Operate.

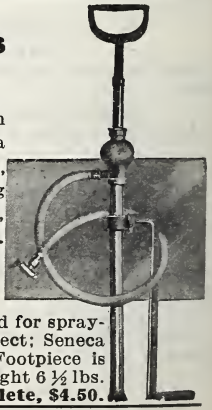
Tank holds 15 gallons; will not slop or spill. Pump has large air chamber. Bronze ball valves; valves are removable, cannot clog. Well made; gives a pressure of 150 lbs; has mechanical agitator and strainer for suction. Outfit complete, 10 ft., 3-8 inch hose, 10-ft. extension in three pieces, one T-handle shut-off, one **"Ideal"** nozzle; shipping weight, crated, 60 pounds. Price..... **$20.00**



Hand Pumps and Sprayers

Premier Bucket Pump

Fig. 561 ½.— Brass bucket pump, arranged with suction and discharge hose and spray nozzle, which will throw a solid stream or fine spray. Pump has brass cylinder, plunger and rod, and is particularly adapted for washing windows and wagons, spraying flowers in conservatories, gardens, etc., etc. **Price, complete, $6.00.**



Bordeaux Bucket Pump

Fig. 1129.—Brass garden and spray pump; is especially designed for spraying in gardens and greenhouses. The pump is double action in effect; Seneca nozzle, ball valves; proof against the action of acids and oils. Footpiece is malleable iron. Pump is set in pail or bucket, with foot outside. Weight 6 ½ lbs. **Price, complete, $4.50.**

☞ See Spray Calendar on page 57.

JAPANESE ORNAMENTALS

WE import annually large assortments of Japanese Plants, Palms, Shrubs, etc., and would call attention to the splendid values offered in these interesting specimens.

Thuja Obtusa

Thuja Obtusa

Thuja Obtusa—(var. Chabo-hiba)—Famous Dwarf tree of Japan, over 100 years old, grown in pots. This unique and interesting tree is perfectly hardy, good for porch or house use; is very ornate and striking; making it invaluable for decorative effects. Fine specimens in oriental jardinieres. **$5.00 to $10.00 each**

Aucuba

Aucuba Japonica— Japan evergreen, with shining evergreen foliage and red berries. **Each, 75c to $1.00**

Aucuba J. Variegata—Green and yellow foliage; very showy; fine for specimen plants on lawn. Large plants for immediate effect. **Each, $2.00 to $2.50**

Bamboo

This well known ornamental plant, with graceful and almost evergreen foliage, thrives in sheltered situations, making fine lawn clumps. We have four varieties, all hardy. **Strong clumps, 3 to 6 feet, each, 75c to $1.50**

Berberry—Japanese

B. Thunbergii—From Japan. A pretty species of dwarf habit; small foliage, changing to a beautiful red in autumn; good hedge plant. **2 to 3 feet, each, 60c to 75c**

Camellia

Japonica—Very beautiful, winter flowering evergreen; the handsomest, shining, dark green foliage and magnificent, wax like flowers of various colors, render them indispensable for the conservatory, and well adapted for parlor or window culture; perfectly hardy in this climate in the open ground, but should be planted in a shady place and protected the first year. We have these in three colors. **Double White, Pink and Red. 1½ to 2 feet, each, $1.00 to $1.50**

Daphne

Odora—A very pretty early flowering shrub, producing pink flowers in March. **2 feet, each, $1.00**

Alba—Pure white. **2 feet, each, $1.00**

Sciadopitys Verticillata

"Umbrella Pine"—The leaves are narrow, round and arranged in whorls of umbrella like tufts; is especially adapted for porch or lawn decoration. **2 feet, each, $1.50**

Maple (Japanese)

ATRO-PURPUREUM — Large palmate leaves; deep rich maroon color.

ATRO-PURPUREUM VAR.— Bright crimson; deep maroon markings.

ATRO-DISSECTUM — Deeply fringed thread-like leaflets; drooping habit.

OSAKA-ZUKI — Large leaved, palmate, bright maroon changing in Autumn to blood red.

NISHIKIGASANE — Long thread-like green leaflets deeply serrated.

WASHINO-O — Long thread-like leaflets deeply serrated. **Prices, select well rooted stock, Each, 75c to $1.50**

GRAFTED MEGANE MAPLE — Interesting little dwarf maples grown in the form of a figure 8; grafted with 4 or 5 varieties. **Price, 75c to $1.50**

Hydrangea

Hortensis Blue—Very fine Japanese variety for potting and porch decoration; large flowers, rosy blue to light blue, according to the soil. **Strong clumps, each 75c**

H. Hortensis, pink, fine truss, pure pink, each 75c

Syringa Japonica

Syringa Japonica—Japan tree lilac, growing to a height of 80 feet; blooms late in June, bearing large pannicles of showy white flowers carried well above the foliage; leaves large and leathery, rich dark color. **Each 75c**

Quince (Japan Flowering)

Japonica—Remarkable for the brilliancy of its blossoms, which vary from the richest scarlet to the most delicate blush color; the fruit is deliciously fragrant, but is not edible. **2 to 3 feet, each, 60c to 75c**

Alba—A very beautiful variety, with delicate, white and blush flowers. **3 to 4 feet, 75c to $1.00**

Persimmon

Japanese—Highly prized for its delicious fruit. We import the Japanese variety called Hyakume. Fruit large and oblong; color bright red; ripens early in the fall. **4 feet, each, 60c to 75c**

Magnolia

Magnolia Salicifolia—New species called fragrant Magnolia; pure white flowers. It emits a sweet aromatic scent, not only from the flowers, but stem and leaves; very hardy; should be in every collection. **Each $1.50 to $2.00**

Conspicua—A Chinese species of great beauty. The tree is of medium size, shrub like in growth while young, but attains the size of a tree in time. The flowers are large, pure white, very numerous and appear before the leaves.

2 feet, each, $1.00; 3 feet, each, $1.50 to $2.00.

Magnolia Obovata—Exterior petals purple, veined with deeper color, white center.

Each, $1.00 to $1.50.

Grandiflora. See page 61

Cryptomeria

One of the finest evergreens of Japan; of both upright and drooping habit. We import a number of different varieties all of which are suitable for lawn planting. Foliage mostly needle like; end of branches soft and flexible. **1 to 2 feet, each, $1.00 to $2.50**

Prunus

We import these direct from Japan. They are hardy, rapid growers, and produce early in the spring a profusion of handsome flowers of great beauty and fragrance.

Prunus Mume—The Flowering Plum. **Double White or Double Red, 3 feet up, each, 75c to $1**

Prunus Cerasus—Handsome Flowering Japanese Cherry. **White, pink or red, 3 feet up, each 75c to $1.00**

Prunus Pissardi—Flowering Plum. Wood and leaves dark purple. **3 feet up, each, 75c to $1.00**

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FOR WINTER SPRAYING

SCALECIDE A barrel of "Scalecide" will spray more trees than 3⅓ bbls. of Lime and Sulphur, at less expense, with less work, and better results. "SCALECIDE" will not injure your pump or outfit will not harm your skin or eyes.

6 Years of Systematic Spraying with "Scalecide" has resulted in record yields in some of the largest apple and peach orchards of the United States. Interesting literature and **sample of "Scalecide"** will be sent **Free on Request.**

SPREADS AND PENETRATES — KILLS ALL SCALE AND FUNGUS.

"DIAMOND QUALITY"

Fertilizers

PORTLAND Diamond SEED Quality COMPANY TRADE MARK

Ask for our Special Fertilizer Catalog, containing valuable information on the use and application of Fertilizer.

We are the largest dealers and carry the most complete stock of Fertilizers in the Northwest. They are of guaranteed analysis, conforming to the standards required by the State Laws.

FERTILIZER	Nitrogen	Equivalent to Ammonia	Available Phosphoric Acid	Potash	Per 100 lbs	Per 224 lb. Bag	Per Ton
No. 1, Complete	2 %	2.42%	10 %	6%	$2.00		$38.00
No. 4, Fruit	2 ½%	3.15%	8 ½%	10%	2.10		40.00
No. 5, Lawn	3.1%	3.76%	12 %	4%	2.25		
Pure Bone Meal	3 ½%		20 %		2.15		40 00
Bone Tankage	5 %		11 %		2.00		
Super Phosphate			17 %		1.40		26.00
Muriate of Potash				49%			
Sulphate of Potash				50%			
Kanit				12%			
Nitrate of Soda	15%						
Blood Meal	10%		3 %		3.75		
Fish Guano					2.75		50.00
Land Plaster					.75		12.00
Lime Rock (Raw, Ground)					.75		12.00

☞ Write for prices on Potash and Nitrate of Soda—above prices subject to market changes.

	POUNDS PER ACRE	FERTILIZER TO USE	WHEN TO APPLY.
Apples	400 to 600	No. 4	Fall or early spring.
Asparagus	300 to 600	No. 1 with	
	100 to 200	Nitrate of Soda	Spring.
Berry bushes	400 to 800	No. 4	Fall or Winter preferred, or early spring.
Fruit trees and bushes	400 to 800	No. 4	Fall or Winter preferred, or early spring.
Flower beds	See Plants, etc.		
Grapes	400 to 800	No. 4	Fall or early spring.
Grass for lawns	400 to 800	No. 5	Apply fall or spring, broadcast.
House plants		"Diamond" Plant Food	Directions on each package.
	325 to 650	No. 1	Early spring.
Nursery stock	A teaspoonful to a plant or broadcast.		Worked in the top soil when cultivating or making beds.
Plants, flowering, outdoor		No. 5	
Roses, etc.	½ to 1 lb. per plant	No. 5	Fall, winter or spring.
Shrubs, trees, etc.	½ to 8 lbs. per plant	No. 5	

PLANTING TABLES

DISTANCES RECOMMENDED FOR PLANTING.

Apples (Standard)	25 to 40 ft. each way	Currants	5 ft. x 8 ft.
Pears (Standard)	20 to 35 ft. each way	Gooseberries	5 ft. x 3 ft.
Quince	15 ft. each way	Strawberries (hills)	36 in. x 18 in.
Peaches	18 to 24 ft each way	Strawberries (matted rows)	48 in. x 12 in.
Plums	15 to 20 ft. each way	Grapes	8 x 8 to 10 x 12 ft.
Cherries	25 to 40 ft. each way	Asparagus	4 x 1 ft.
Blackberries	6 ft. x 4 ft.	Rhubarb	4 x 2 ft.
Raspberries	6 ft. x 3 ft.		

NUMBER OF PLANTS PER ACRE AT VARIOUS DISTANCES.

In planting trees the greater distance should be given in the richer soils.

DISTANCE APART.	Square Method.	Triangular.	DISTANCE APART.	Square Method.	Triangular.
1 foot apart each way	43,560	50,300	15 feet apart each way	198	223
2 feet apart each way	10,890	12,575	16 feet apart each way	170	196
4 feet apart each way	2,722	3,148	20 feet apart each way	108	125
6 feet apart each way	1,210	1,397	25 feet apart each way	70	81
9 feet apart each way	537	620	30 feet apart each way	48	55
10 feet apart each way	435	502	40 feet apart each way	27	31

RULE SQUARE METHOD—Multiply the distance in feet between the rows by the distance the plants are apart in the rows; this gives the number of square feet for each plant or hill; divided into the number of feet in an acre (43,560) gives the number of plants or trees to an acre.

RULE TRIANGULAR METHOD—Divide the number required to the acre "square method" by the decimal .866. The result will be number of plants required to the acre by triangular planting.

LEWIS PLANTING BOARD

When your stakes are placed, where the trees are to be set, take an inch board 6 inches wide and 6 feet 6 inches long, bore a ¾ inch hole in the center of each end and cut a notch in the side at center that your trees will fit into. Now take two small stakes 12 inches long that will slip easily through the end holes, place the center notch around the stake where the tree is to stand, place a small stake through each of the holes in the ends, now lift your board *leaving the small stakes in the ground*, dig the hole, *replace the board over the stakes* and set the tree in the notch, plant it in this position and your orchard will "line up" perfectly.

JAMES, KERNS & ABBOTT CO., PRINTERS AND BINDERS, PORTLAND, OREGON

"Diamond Quality"

Nursery Stocks

Grown in Oregon

See List of PERENNIAL and ORNAMENTAL PLANTS

Trees and Plants

are Dug and Packed as Ordered

PORTLAND Diamond SEED Quality COMPANY

Sturdy well grown TREES with heavy fibrous Roots